



United States Department of the Interior
NATIONAL PARK SERVICE
Gateway National Recreation Area



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FLORA OF GATEWAY NATIONAL RECREATION AREA

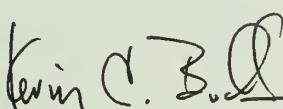


American Holly, Ilex opaca

Division of Natural Resources and Compliance

FLORA OF GATEWAY NATIONAL RECREATION AREA

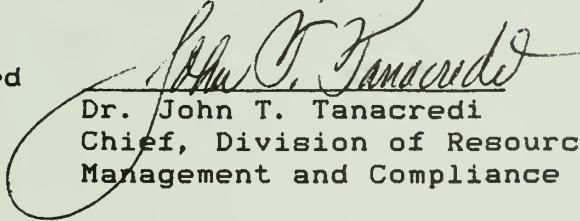
Approved



Kevin Buckley
General Superintendent

3/7/91
Date

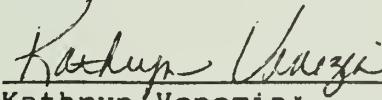
Reviewed



Dr. John T. Tanacredi
Chief, Division of Resource
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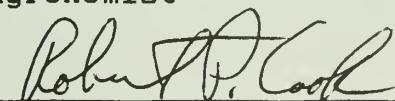
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INTRODUCTION

Gateway National Recreation Area consists of 26,645 acres of coastal uplands, freshwater ponds, marshes, bay, and mudflats. Established by the United States Congress in 1972 to preserve its significant natural and recreational features, Gateway NRA lands constitute some of the largest and most significant natural areas remaining in the metropolitan New York City area.

Geographically and administratively, Gateway NRA is divided into the Sandy Hook Unit, in Monmouth County, New Jersey; the Staten Island Unit, composed of Great Kills Park and Miller Field, Richmond County, New York; and the Jamaica Bay/Breezy Point Unit, in Kings and Queens Counties, New York. The Jamaica Bay/Breezy Point Unit is further divided into the Breezy Point District (composed of Riis Park, Fort Tilden, and the Breezy Point Tip), the Jamaica Bay District (composed of Floyd Bennett Field, Plumb Beach, and the north shore of Jamaica Bay), and the Wildlife Refuge District (Jamaica Bay Wildlife Refuge).

Floral inventory has been an ongoing activity at Gateway NRA since its establishment. The following is a compilation of all floral inventory data for the entire park to date. Data are presented on a Unit/District basis, but it should be borne in mind that the distribution of many plant species may be highly localized. Some administrative Units/Districts of Gateway NRA consist of several sections, each with somewhat different histories and thus, somewhat different floras.

FACTORS AFFECTING GATEWAY FLORA

The present flora of Gateway NRA is the product of both natural and human factors. Though there are no comprehensive floras which document the naturally-occurring flora for the entire park, there are a number of works which provide some detail of, or insight into, the original flora of the Gateway area.

Chrysler (1930) studied the vegetation of Sandy Hook, describing five habitat types and listing 154 species. Since Sandy Hook is the most geographically discrete and least altered landform of all Gateway Units, this work is an important baseline. For the Staten Island and Jamaica Bay/Breezy Point Units, we have only larger scope regional works. Hollick and Britton (1879), Jelliffe (1899), Taylor (1915), and Harper (1917) all include references to localities within the present-day boundaries of Gateway NRA. From these some sense of the original coastal plain flora can be obtained.

Based on these works, as well as historic maps and other research (eg. Baugher-Perlin and Bluefeld 1980), we know that most of the Staten Island and Jamaica Bay/Breezy Point Units were originally salt marsh and sand dune habitats. In the course of the present century these have been altered through dredge spoil deposition and landfilling. On these human-created uplands, habitats such as freshwater marshes, grasslands, shrub thickets, and woodlands have developed. In addition to the native and naturalized alien species which have colonized these uplands, many species (native, alien, and horticultural types) were originally planted as part of revegetation and wildlife habitat programs.

The net result at these sites is a flora much different than the original, though a detailed comparison is beyond the scope of this list.

FLORAL SURVEYS AT GATEWAY NRA

In the years since 1974, when the National Park Service took over the operational management of Gateway NRA, many workers have surveyed it's flora. However, the magnitude of effort required to survey all Gateway sites through an entire growing season has prevented any one survey team from compiling a complete Gateway Flora. All previous surveys have been limited in either their geographic scope, amount of effort, or seasonality. Consequently, many species remain undocumented at Gateway sites. In addition, as a result of successional changes and colonization, the flora of Gateway is undoubtedly continuing to change.

The following list is a compilation of all plant species recorded at Gateway NRA from 1975 to 1990, and is based on a number of site-specific lists and specimens in Gateway herbaria (see sources below). It is the first Gateway-wide compilation showing the present state of information concerning the occurrence and distribution of species in the five different administrative areas of the Park.

Besides listing what we do know about Gateway's flora, this list also serves to identify gaps in our knowledge and hopefully, can guide future survey and collecting efforts. Many absences indicated on this list may be due to insufficient survey work. A substantial number of species are listed by virtue of a visual record. While this is a first step in documenting a species' occurrence, a voucher specimen is far more desirable. In the case of rare or difficult to identify species, herbarium specimens are essential. It is possible that some visual records are based on mis-identification. Without a specimen it is hard to know for sure. Thus, besides documenting new species and site-specific records, specimens should be collected for all those occurrences currently documented by sight records. An inability to obtain a specimen of a particular species, after adequate and proper searching, should result in its removal from this list.

Since floral inventory is an on-going process, this list will be revised periodically to reflect more recent additions and deletions. All such changes or corrections should be reported to;

Chief, Division of Resource Management and Compliance
National Park Service
Gateway National Recreation Area
Floyd Bennett Field
Brooklyn, NY 11234.

HOW TO USE THIS LIST

Flora of Gateway is a database file consisting of 14 data fields. The fields, their definitions, and the definitions of the values used within a data field are as follows.

FAMILY, GENUS, SPECIES - These are taxonomic categories and the usual definitions apply. In this list they are arranged alphabetically rather than in taxonomic order. Nomenclature and taxonomy follows that of Mitchell (1986).

Accompanying statements regarding the rarity of certain species is based on Mitchell (1986) and is not necessarily a statement of rarity at Gateway. Mitchell's definitions are;

Rare - recorded 15 times or fewer in the state (NY), or up to 20 times with known cases of extirpation.

E - Endangered in state, T - Threatened in state

1,2,3 - recommended priorities for protection, based on overall rarity and endangerment in the Nation.

COMNAME - This is the common name(s) of a species. It does not necessarily reflect the only common name for a species, and generally reflects the common name used in this region. While common names are useful at times, because they lack standardization, latin names should always be included.

ORG - Origin, ie. whether a species is native or alien to the Gateway Area. The determination of a species' origin is based on several factors, and the definitions of the two categories used here (Native or Alien) are based upon National Park Service Management Policy (NPS 1988).

Basically, if a species is considered (based on a review of relevant references) to be natively occurring in the Gateway area (eg. a native coastal plain species of Long Island, Staten Island, or Sandy Hook) it is considered Native (N).

Aliens (A) are those species which have been introduced into Gateway as a result of human activity, deliberate or inadvertant, direct or indirect. These include, but are not limited to, species introduced in ship's ballast, cultivars, escapes, naturalized species, and some landscape plantings. A species may be native to the Northeast or New York State, but alien to the Gateway region.

FLOWERTIME - The flowering time corresponds to the months when a given species is in bloom. It may vary from year to year, and from site to site within the park. The list details the months for which flowering records exist for a given species. Additional survey work is likely to indicate longer flowering seasons for some of the species listed.

The numeric values in this field correspond to the months of the year as follows; 1 = January, 2 = February, etc.

COLOR - Color indicates the estimated floral color of the plant. Variation within a species, as well as the clinal nature of colors allows for some interpretation, and many species are listed for more than one color. Occasionally a species will have an occurrence of albinism, others might interbreed with cultivars and create unusual flower colors. This list only includes the common, or usual flower color for a species. Exceptions should be noted and a voucher specimen collected.

GR = Green	YL = Yellow
BL = Blue	OR = Orange
WT = White	PR = Purple
RD = Red	PK = Pink

FORM - This is the growthform, describing the general growth habit of a species. Some species (eg. poison ivy) may occur in more than one growth form. The categories used indicate the most commonly accepted growth forms for this area, and are as follows;

AH = Annual Herb

BIH = Biennial Herb

PH = Perennial Herb

SB = Shrub

V = Vine

CT = Coniferous Tree

DT = Deciduous Tree.

HABITAT - Habitat is a description of the major plant associations, based primarily on the structure of dominant species. This information is provided to give a general idea of the type of habitat a species may occur in at Gateway, and help guide future survey efforts. A total of eight general categories are used.

DN = Dune. Typically dominated by American beachgrass, seaside goldenrod, bayberry, beach plum, and herbaceous species. The soil base is sand.

DS = Disturbed. Typically areas which have had, and/or continue to be disturbed by human activities. The plant community is often a monoculture of one or two species. Disturbed areas are generally located near roads and buildings, and usually dominated by non-native species (eg. mugwort).

WD = Woodland. This habitat is dominated by trees of varying sizes and species. The species composition may change with the age of the woodland. For example, at Floyd Bennett Field and Breezy Point the developing woodlands are composed of early successional species, a diverse mix of short-lived species such as grey birch, black cherry, sumac, and various poplars. In a mature forest, such as on Sandy Hook, there are primarily slow growing, long lived species such as American holly.

GS = Grassland. As the name implies, the dominant species of this habitat are grasses and herbs. At Gateway, the major species are little bluestem, tall redtop, switch grass, panic grass, and fescue. Generally the height of grassland species does not exceed five feet. Monocultures of Phragmites are not considered grasslands.

SM = Salt Marsh. Plants associated with a salt marsh are subject to tidal and storm driven inundation by salt water, and have special adaptations. The dominant species at Gateway are Spartina alterniflora, S. patens, and Salicornia sp.

FM = Freshwater Marsh. Permanent or seasonally wet areas dominated by herbaceous hydrophytic species such as sedges, rushes, cattails, and Phragmites.

SH = Shrub thicket. Shrub thickets consist of dense stands of woody species occurring as a transition (both in time and space) between grasslands and woodlands. At Gateway the typical dominants are bayberry, winged sumac, poison ivy, blackberry, olives, and red cedar.

LN = Landscape. This consists of landscapes actively managed as lawns, gardens, flower beds, and foundation plantings. The dominant species vary depending on purpose of planting. This habitat is generally associated with buildings, entranceways, and sections of the park developed for high density visitation. Habitat restoration plantings within natural areas are not considered landscape plantings.

SH, SI, BP, WR, JB. Units/Districts of Gateway. As detailed in the introduction, Gateway is administratively divided into five units/districts. These five data fields detail the known occurrence of a given species in each of the five units/districts. The data fields are as follows;

SH = Sandy Hook Unit

SI = Staten Island Unit

BP = Breezy Point District

WR = Jamaica Bay Wildlife Refuge

JB = Jamaica Bay District.

The values used within these five fields are,

V = visual record,

H = Herbarium specimen in Gateway Herbarium, Floyd Bennett Field

H* = Herbarium specimen in Gateway Herbarium, Sandy Hook

H^ = Herbarium specimen in both herbariums (since the Sandy Hook herbarium is exclusively from that Unit, only species from the Sandy Hook Unit will occur in both herbaria).

While this database is presently limited to recording the occurrence of plant species on a Unit/District basis, the potential exists for expanding it to provide this information at a finer level of resolution. This can be accomplished by creating additional location fields for more specific sites within Gateway and utilizing source documents, herbarium specimens, and future work to produce more site-specific floral lists.

SOURCE DOCUMENTS

The Flora of Gateway is a compendium of published works, scientific reports, and survey lists from National Park Service files known to the compilers. It is based on the following.

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ACKNOWLEDGEMENTS

The production of this list is not the accomplishment of any one person. The information it contains represents the results of fifteen years of floral observation and inventory by many people throughout Gateway's many sites. Without the field work of Jim Ash, Dr. Joseph Bridges, Paul Cerniglia, Margaret DePalma, Alfred Farrugio, Mike Feller, Dr. Andrew Greller, Mary Hake, Lori Leonardi, Jean McArthur, Clive Pinnock, Don Riepe, M.J. Shaunessey, and Dr. Richard Stalter this list would not have been possible.

Dr. Andrew Greller, Dr. Richard Stalter, and Dr. Charles Sheviak have, over the years, been extremely helpful in verifying specimens in the Gateway Herbarium. Dr. Greller has also contributed many specimens to the herbarium. At Sandy Hook, Jean McArthur has been singularly important in developing and curating that Unit's herbarium.

A number of Gateway staff helped in setting up this database and working out many technical computer problems. Cheryl Green, Teresa Paster, Dave Avrin, Rich Clark, Jennifer Campbell, Gail Diamond, Cindy Fredo, and Friends of Gateway's Katerina Galacatos all shared their computer skills, enabling us to organize the data produced by the field workers. Each of the Unit Superintendents and their staff, over the years, have cooperated to facilitate and assist in the field work.

Additional comment and information was provided by the following people, all of whom have helped in the understanding of native plants here at Gateway; Dr. Cicle Lumer, New York City Department of Parks and Recreation, Natural Resources Group, Dr. Richard Mitchell, New York State Botanist, Dr. Andrew Greller, Queens College, Dr. Henry Art, Williams College, Dr. Robert Zaremba, New York Field Office of The Nature Conservancy, Mr. Peter Zika, New York State Heritage Program, and Mr. David Snyder, New Jersey Heritage Program. They each have provided information and encouragement throughout this process. Victoria Jahn of the Brooklyn Botanic Garden provided access to their library and assistance with historic literature.

Dr. John T. Tanacredi, Chief of Gateway's Division of Resource Management and Compliance has, over the years, been directly responsible for conceiving and facilitating many of the surveys incorporated herein. Without his efforts, support, and guidance this compilation would not be possible.

GENUS	SPECIES	COMMON NAME	ORG	FLOWERTIME	COLOR	FORM	HABITAT	SH	SI	BP	WR	JB
** FAMILY ACERACEAE												
Acer	negundo	BOX ELDER	N	4,5	GR	DT	WD	DT	H	V	V	
Acer	platanoïdes	NORWAY MAPLE	A	4,5	YL	DT	WD, LN	H*	V	H	H	
Acer	pseudoplatanus	SYCAMORE MAPLE	A	4,5	GR, YL	DT	WD, LD	V	V	H	H	
Acer	rubrum	RED MAPLE	N	3,4,5	RD	DT	WD	H*	V	H	H	
Acer	rubrum var. <i>trilobum</i>	RED MAPLE	A	4,5	RD	DT	WD	V	V	H	H	
Acer	saccharinum	SILVER MAPLE	A	4,5,6	GR, RD	DT	LN, WD	V	H	H	H	
** FAMILY AGAVACEAE												
Yucca	<i>flaccida</i>	YUCCA, ADAM'S NEEDLE	N	6	WT	PH	DS, DN, LN	V	V	V	V	
** FAMILY AMARANTHACEAE												
Amaranthus	albus	TUMBLEWEED	A	6,7,8	GR, WT	AH	DS, DN, GS	V	V			
Amaranthus	blitum	LIVID AMARANTH	A	5,6,7	GR, WT	AH	DS, DN, SM	V	V			
Amaranthus	crispus	AMARANTH	A	8,9	GR	PH	DN, DS					
Amaranthus	hybridus	PRINCE'S FEATHER	A		GR, RD	PH	DS	H				
Amaranthus	retroflexus	PIGWEED, REDROOT	A		PH	DS	V	H	V			
Froelichia	gracilis	COTTONWEED	A		GR	PH	DS, GS, DN	V	H	H	H	
** FAMILY ANACARDIACEAE												
Rhus	aromatica	FRAGRANT SUMAC	N	4,5	WT	SB	DS, DN, SH	H*	V	V	V	
Rhus	copallina	DAWRF SUMAC, WINGED SUMAC	N	6,7	RD	SB	SH, DN, DS	H	V	H	H	
Rhus	glabra	SMOOTH SUMAC	N	6,7	RD	SB	SH, DS, DN	H*	H	V	V	
Rhus	typhina	STAGHORN SUMAC	N	6,7	WT	SB	SH, DN, DS	H*	V	H	V	
Toxicodendron	radicans	PoISON IVY, PIISON OAK	N	6,7	WT	V, SB	DS, DN, SH, WD	H	V	V	V	
** FAMILY APIACEAE												
Daucus	carota	QUEEN ANN'S LACE, WILD CARROT	A	4,5,6,7,8,9	WT	BIH	DS, DN, GS	H*	V	H	H	
Pastinaca	sativa	WILD PARSNIP	A	5,6,7,8,9	YL	BIH	DS, DN	H*				
Ptilimium	capillaceum	MOCK BISHOP'S WEED	N	6,7,8,9,10	WT	AH	FM	V	H			

FLORA OF GATEWAY NATIONAL RECREATION AREA
COMPILED BY KATHRYN VENEZIA AND ROBERT P. COOK

GENUS	SPECIES	COMMON NAME	ORG	FLOWERTIME	COLOR	FORM	HABITAT	SH	SI	BP	WR
** FAMILY APOCYNACEAE											
Apocynum	cannabinum	INDIAN HEMP	N	6,7,8,9,10	WH,PK	PH	DS,WD,GS	H*	H	V	H
Apocynum	cannabinum var. cannabinum	INDIAN HEMP	N	6,7,8,9,10	PH	PH	DS,WD,DS,LN			V	V
Apocynum	medium	INTERMEDIATE DOGBANE	N							V	V
Vinca	minor	PERIWINKLE	A	4,5,6,7	BL,PR	V	SH,WD,DS,LN	H*		H	
** FAMILY AQUIFOLIACEAE											
Ilex	glabra	INKBERRY	N	6,7,8	SB	WD		H*		V	V
Ilex	opaca	AMERICAN HOLLY	N	5,6,7	CT	WD,DS	H	V	H	V	V
Ilex	verticillata	BLACKALDER, WINTERBERRY	N	5,6,7	WT	SB	WD,DS,LN	V		V	V
** FAMILY ARACEAE											
Peltandra	virginica	ARROW ARUM, TUCKAHOE, ARROWLEAF	N	4,5,6	WT,GR	PH	WD,FM			H	
** FAMILY ARALIACEAE											
Aralia	nudicaulis	WILD SASSAPARILLA	N	5,6,7	PH	WD		H*			
Aralia	spinosa	HERCULES CLUB	N		DT	WD				V	
** FAMILY ASCLEPIADACEAE											
Asclepias	incarnata	SWAMP MILKWEED	N	6,7,8	PK,RD	PH	DS,GS,DS	V	V	H	
Asclepias	incarnata var. pulchra	HAIRY MILKWEED	N	5,6,7,8	PK,RD	PH	DS,DS,GS				
Asclepias	purpurascens (RARE)	PURPLE MILKWEED	N	5,6,7	PR	PH	DN,DS,GS	V		H	
Asclepias	syriaca	COMMON MILKWEED	N	6,7,8	PH	DS,DS,WD	H*	V	V	H	
Asclepias	tuberosa	BUTTERFLYWEED, ORANGE MILKWEED	N	6,7,8,9	OR	PH	DN,GS,DS	H*	V	V	H
** FAMILY ASPLENIACEAE											
Athyrium	asplenioides	LADY FERN	N	6	GR	PH	WD,FM	V			
Cystopteris	fragilis	COMMON FRAGILE FERN	N	7	GR	PH	FM,WD	H		H	
Lorinseria	areolata	NETTED CHAINFERN	N		GR	PH	WD				H

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GENUS	SPECIES	COMMON NAME	ORG	FLOWERTIME	COLOR	FORM	HABITAT	SH	SI	BP	WR	JB
Onoclea	sensibilis		N	4,5,6	GR	PH	FM,WD,DS	H*	V	H	V	
Thelypteris	palustris		N	4,5,6,7	GR	PH	FM,WD,DS	H*		H		
Thelypteris	simulata		N	6	GR	PH	FM,WD,SH	V		H		
** FAMILY ASTERACEAE												
Achillea	millefolium	COMMON YARROW, YARROW	A	4,5,6,7,8,9,10	WT,PK	PH	DS,GS,LN	H*	V	V	H	H
Ambrosia	artemesiifolia	RAGWEED	N	5,6,7,8,9,10	GR	AH	DS,GS,DN	H*	V	V	H	H
Ambrosia	trifida	GIANT RAGWEED	N	7,8,9,10	GR	AH	DS,GS,DN	H			H	
Anaphalis	margaritacea	PEARLY EVERLASTING	N	7,8,9	WT	PH	DN,GS,DS	V	V		V	
Anemone	arvensis	FIELD CHAMOMILLE, CHAMOMILE	A	5,6,7,8,9	YL	AH	DS,GS,DS	V	V	H	H	
Anemone	cotula	DOGWEED, STINKING CHAMOMILLE	A	5,6,7,8,9,10	WT,YL	AH	DS,DN,GS	V	V	V	V	
Anemone	tinctoria	YELLOW CHAMOMILLE	A	5,6,7	YL	PH	DS,DN,GS	V	V	V	V	
Arctium	lappa	GREAT BURDOCK, BURDOCK	A	8,9,10	PK,PR	AH	DS,GS,DS	H				
Artemisia	annua	ANNUAL WORMWOOD	A	7,8,9,10,11	GR,WT	AH	DS,DN,GS	H				
Artemisia	campastris caudata (RARE)	TALL WORMWOOD	N	7,8,9,10,11	GR	PH	DS	H*			H	
Artemisia	stellarihana	DUSTY MILLER	A	5,6,7,8,9	YL	PH	DS,GS,DS	H*	V	H	V	
Artemisia	vulgaris	MUGWORT	A	7,8,9,10	GR	PH	DS,GS,DS	V	H	H	V	
Aster	divaricatus	WHITE WOOD ASTER	N	7,8,9,10,11	WT	PH	SH,WD,DS	H*				
Aster	dumosus	BUSHY ASTER, RICE BUTTON ASTER	N	7,8,9,10	PH	DN,DS	DN,DS	V		H	V	
Aster	ericoides	HEATH ASTER	N	7,8,9,10	WT,BL	PH	DN,DS	V		H	V	
Aster	lanceolatus	TALL WHITE ASTER	N	7,8,9,10	WT,PR	PH	DS,FM				H	
Aster	novi-belgii	NEW YORK ASTER	N	8,9	BL,WT	PH	DS,FM				H	
Aster	pilosus	ASTER	N	7,8,9,10	PK,PR	PH	DS,DS	V		V	H	
Aster	tenuifolius	ANNUAL SALT MARSH ASTER	N	7,8,9,10	PK,PR	PH	DN,SM,DS	V			H	
Aster	vimineus (RARE)	SMALL WHITE ASTER	N	7,8,9,10	WT	PH	DN,SM,DS			V	H	
Baccharis	halimifolia	GROUNDSEL TREE	N	8,9,10,11	WT,GR	PH	DS,SM,GS	H*	V	H	H	
Bidens	bipinnata	SPANISH NEEDLES	N	8,9,10	YL	PH	DN,SM,DS	V		H	H	
Bidens	coronata	BEGGERS TICK	N	8,9,10	YL	BIH	DS,DN,FM			V	H	
Bidens	frondosa	BEGGERTICK, STICKTIGHT	N	6,7,8,9,10	GR	AH	DS,SM,GS			V		
Bidens	laevis (RARE)	BEGGERS TICK	N	8,9,10,11	YL	PH	DS,DN,FM	V		V		

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COMPILED BY KATHRYN VENEZIA AND ROBERT P. COOK

GENUS	SPECIES	COMMON NAME	COLOR	FORM	HABITAT	SH	SI	BP	WR	JB
Centaurea	cyanus	CORN FLOWER, BACHELOR'S BUTTON	A	5,6,7,8,9,10	BL	AH	DS		V	V
Centaurea	maculosa	SPOTTED KNAPEWEED	A	6,7,8,9,10	BL,PR	BTH	DS, DN, GS	V	V	H
Cichorium	intybus	CHICORY	A	7,8,9,10	BL,PR	PH	DS, DN, GS	H*	V	H
Cirsium	arvense	CANADA THISTLE	A	7,8,9,10	PK,PR	PH	DS, DN, GS	H*	H	V
Cirsium	muticum	SWAMP-THISTLE	N	7,8,9,10	PK,PR	PH	DS, FM, GS	H		
Cirsium	pumilum	PASTURE THISTLE	N	6,7,8	PR	BTH	DS, GS	H*		
Cirsium	vulgare	BULL THISTLE, COMMON THISTLE	A	6,7,8,9,10	PK,PR	PH	DS, FM, GS	V	V	H
Conyza	canadensis	HORSEWEED	N	8,9,10,11	YL	AH	DS	H*	V	V
Coreopsis	lanceolata	LANCED LEAF COREOPSIS	A	6,7,8,9,10,11	YL	PH	DS, LN, DN	H*	V	V
Coreopsis	verticillata	COREOPSIS	A	6,7,8,9,10,11	YL	PH	DS, LN, DN	V	V	V
Crepis	tectorum	HAWK'S BEARD	A	5,6,7	YL	PH	DS, DN	V		
Erechtites	hieracifolia	FIREWEED, PILEWORT	N	8,9,10	YL,WT	PH	DS, DN, SM	V	V	H
Erigeron	annus	DAISY FLEABANE	N	6,7,8,9,10	WT	AH	DS, GS, SH	H*	V	H
Erigeron	philadelphicus	COMMON FLEABANE	N	6,7,8,9,10	WT,PK	BTH	DS, GS, SH		H	H
Erigeron	puichellitus	FLEABANE, ROBIN'S PLANTAIN	N	6,7,8,9,10	WT,PK	BTH	DS, GS, SH		H	V
Erigeron	strigosus	FLEABANE	N	6,7,8,9,10	WT,PK	AH	DS, GS, SH		H	H
Eupatorium	dubium	JOE PYE WEED, PURPLE BONESET	N	7,8,9,10	PR	PH	SM, DN, DS	V		H
Eupatorium	fistulosum	HOLLOW JOE PYE WEED	N	7,8,9	PR	PH	DS, DN, SM	V		
Eupatorium	hyssopifolium	HYSSOP-LEAVED THOROUGHWORT	N	6,7,8,9,10	PK,WT	PH	DS, GS, SH	V	V	H
Eupatorium	leucolepis	WHITE BONESET	N	6,7,8,9	WT	PH	SM, DS, DN		V	
Eupatorium	maculatum	SPOTTED JOE PYE WEED	N	6,7,8,9,10	PR,PK	PH	DS, GS, SH	V	H	H
Eupatorium	perfoliatum	BONESET, THOROUGHWORT	N	7,8,9,10	WT	PH	SM, FM, DS, DN	V	H	V
Eupatorium	rotundifolium	ROUND LEAF BONESET	N	6,7,8,9,10	WT,PK	PH	DS, GS, SH		H	V
Eupatorium	rotundifolium	ROUND LEAF BONESET	N		WT	PH				
Eupatorium	rugosum	WHITE SNAKEROOT	N	6,7,8,9,10	WT	PH	DS, MD, SH	H*	H	H
Eupatorium	serotinum	JOE PYE WEED	A	8,9,10	WT	PH	SM, FM, DS, DN	V		
Eupatorium	graminifolia	FLAT TOP GOLDENROD	N	5,6,7	YL	PH	DS, DN	H	H	H
Eupatorium	tenuifolia	SLENDER FRAGRANT GOLDENROD	N	7,8,9,10	YL	PH	DN, DS	V	V	H
Gaillardia	aristata	GAILLARDIA, BLANKET FLOWER	A	7,8,9,10	OR, YL	AH	DS, GS	H	H	V
Galinsoga	ciliata	QUICKWEED	A	5,6,7,8,9,10,11	WI	PH	SM, DS, DN			

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<i>Galinsoga</i>	<i>parviflora</i>	GALINSOGA, QUICKWEED	A	4,5,6,7,8,9,10,11	WT	AH	DS	H	H	H	H	
<i>Gnaphalium</i>	<i>obtusifolium</i>	CUDWEED	N	6,7,8,9,10	WT,YL	AH	DS,GS,SH	H*	V	H	H	
<i>Helianthus</i>	<i>annuus</i>	COMMON SUNFLOWER	A	7,8,9,10	YL	AH	DS,GS,SH	H*	H	H	V	
<i>Helianthus</i>	<i>petiolaris</i>	SUNFLOWER	A	7,8,9	YL	AH	DS,DN	V	V	V	V	
<i>Helianthus</i>	<i>tuberosus</i>	JERUSALEM ARTICHOKE	A	5,6,7	YL	PH	DS,DN	V	V	V	V	
<i>Heliosis</i>	<i>helianthoides</i>	OX-EYE	N	7,8,9	YL,WT	PH	DS,DN,LN	H*	H	V	V	
<i>Heterotheca</i>	<i>subaxillaris</i>	CAMPHORWEED	A	7,8,9,10	YL	AH	DS,GS	H*	V	H	H	
<i>Hieracium</i>	<i>aurantiacum</i>	KING DEVIL, ORANGE HAWKWEED	A	5,6,7,8,9	YL	AH	DS,DN	V	V	V	V	
<i>Hieracium</i>	<i>caespitosum</i>	FIELD HAWKWEED, KING DEVIL	A	5,6,7,8,9,10	YL	PH	DS,GS	H*	V	H	H	
<i>Hieracium</i>	<i>floribundum</i>	SMOOTH HAWKWEED	A	6,7,8,9,10	YL	PH	DS,GS	H*	H	H	H	
<i>Hieracium</i>	<i>venosum</i>	HAWKWEED, RATTLESNAKE WEED	N	5,6,7	YL	AH	DS,DN	V	V	V	V	
<i>Hypocharis</i>	<i>radicata</i>	CAT'S EAR DANDELION, DANDELION	A	5,6,7,8,9,10,11	YL	PH	DS,GS	H*	V	V	H	
<i>Iva</i>	<i>frutescens</i>	MARSH ELDER	N	8,9,10,11	GR,WT	PH	DN,SM,DS	H*	V	V	H	
<i>Krigia</i>	<i>virginica</i>	DWARF DANDELION	N	5,6,7	YL	AH	DS,DN	V	V	V	V	
<i>Lactuca</i>	<i>canadensis</i>	WILD LETTUCE	N	7,8,9,10,11	YL	AH	DS,DN	V	H	V	V	
<i>Lactuca</i>	<i>seriota</i>	PRICKLY LETTUCE	A	5,6,7	YL	AH	DS,DN	H*	H	H	H	
<i>Lactuca</i>	<i>vulgarie</i>	OX-EYE DAISY	A	5,6,7,8,9,10	WT	PH	DS,DN,GS	H*	V	V	H	
<i>Matricaria</i>	<i>maritima</i>	PINEAPPLE WEED	A	5,6,7,8,9,10	YL	AH	DS,DN	H*	V	H	V	
<i>Matricaria</i>	<i>recutita</i>	WILD CHAMOMILE	A	5,6,7	YL	AH	DS,DN	H*	V	H	H	
<i>Mikania</i>	<i>scandens</i>	CLIMBING HEMPIEWEED	N	7,8,9,10	WT,PK	V	FM,DS	V	V	H	H	
<i>Pityopsis</i>	<i>falcata</i>	SICKLE-LEAVED GOLDEN ASTER	N	7,8,9,10	YL	PH	DS,DS,GS	H*	H	H	H	
<i>Pluchea</i>	<i>odorata</i>	SALT MARCH FLEABANE	N	8,9,10	PK,PR	AH	SM,DS	H*	V	H	H	
<i>Rudbeckia</i>	<i>hirta</i>	BLACK-EYED SUSAN	A	7,8,9,10	YL	PH	DS,LN	H*	V	H	H	
<i>Senecio</i>	<i>aureus</i>	GROUNDSEL, GOLDEN RAGWORT	N	5,6,7	YL	PH	DS,DS	V	V	V	V	
<i>Solidago</i>	<i>arguta</i>	CUT-LEAF GOLDENROD	N	7,8,9,10	YL	PH	DN,DS	H*	V	H	H	
<i>Solidago</i>	<i>canadensis</i>	CANADA GOLDENROD	N	5,6,7	YL	PH	DS,DS	H*	V	H	H	
<i>Solidago</i>	<i>elliotti (RARE)</i>	ELLIOT'S GOLDENROD	N	5,6,7	YL	PH	DS,DS	V	V	H	H	
<i>Solidago</i>	<i>junccea</i>	EARLY GOLDENROD	N	7,8,9,10	YL	PH	DN,DS	H*	V	V	H	
<i>Solidago</i>	<i>nemoralis</i>	GREY GOLDENROD	N	7,8,9,10	YL	PH	DN,GS,DS	H*	V	H	H	
<i>Solidago</i>	<i>rugosa</i>	ROUGH STEMMED GOLDENROD	N	5,6,7	YL	PH	DS,DS	V	V	V	V	

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<i>Solidago</i>	<i>sempervirens</i>	SEASIDE GOLDENROD	N	7,8,9,10	YL	PH	DN,DS	H*	V	H	H	H
<i>Solidago</i>	<i>uliginosa</i>	SWAMP GOLDENROD	N	7,8,9,10	YL	PH	DN,DS					H
<i>Sonchus</i>	<i>arvensis</i>	SOW THISTLE, MILK THISTLE	A	7,8,9,10	YL	PH	DN,DS					H
<i>Sonchus</i>	<i>oleraceus</i>	SOW THISTLE	A	5,6,7	YL	AH	DS,DN					V
<i>Taraxacum</i>	<i>officinale</i>	COMMON DANDELION, DANDELION	A	3,4,5,6,7,8,9,10,11	YL	PH	DN,DS,LN	H*	V	H	H	H
<i>Tragopogon</i>	<i>dubius</i>	OYSTER PLANT, GOAT'S BEARD	A	4,5,6,7,8,9,10	YL	BIH	DS,DN	V	V	H	V	
<i>Tragopogon</i>	<i>porrifolius</i>	SALSIFY, VEGETABLE OYSTER	A	5,6,7	YL	BIH	DS,DN			V		
<i>Tragopogon</i>	<i>pratinus</i>	GOAT'S BEARD	A	5,6,7,8,9,10	YL	BIH	DS,DN	H*	V	V	V	
<i>Xanthium</i>	<i>strumarium</i> var. <i>canadense</i>	BEACH COCKLEBUR, SEA BURDOCK	N	6,7,8,9,10	YL	PH	SM,DS,DN	H*	V	V	H	H
<i>Xanthium</i>	<i>strumarium</i> var. <i>glabratum</i>	CLOTBUR	N	8,9						V		
<i>Xanthium</i>	<i>strumarium</i> var. <i>strunarium</i>	BEACH COCKLEBUR, SEA BURDOCK	A	6,7,8,9,10	YL	PH	SM,DS,DN	V	V	V	H	
** FAMILY BERBERIDACEAE												
<i>Berberis</i>	<i>thunbergii</i>	JAPANESE BARBERRY	A	5	YL	SB	SH,WD,DS	H*	V	V	V	
<i>Berberis</i>	<i>vulgaris</i>	COMMON BARBERRY	A	5	YL	SB	SH,WD,DS	H*	V	V	V	
** FAMILY BETULACEAE												
<i>Alnus</i>	<i>glutinosa</i>	EUROPEAN BLACK ALDER	A	4,5	WT	SB,D	WD					
<i>Betula</i>	<i>populifolia</i>	GREY BIRCH, WHITE BIRCH	N	4,5	GR,YL	DT	WD,DS,LD	H*	H	H	H	V
** FAMILY BIGNONIACEAE												
<i>Campsis</i>	<i>radicans</i>	TRUMPET CREEPER	A	7,8	RD,OR	V	WD					
	<i>bignonioides</i>	CATALPA TREE	A	5,6	WT,YL	DT	H*	H*	H			V
** FAMILY BORAGINACEAE												
<i>Echium</i>	<i>vulgare</i>	BLUE WEED	A	6,7,8,9,10	BL,PR	PH	DS,GS	H*	H	V	V	
<i>Myosotis</i>	<i>arvensis</i>	FORGET-ME-NOT	A	4,5,6,7,8,9	BL,WT	BIH	DS,DN			H		
<i>Myosotis</i>	<i>laxa</i>	SMALLER FORGET-ME-NOT	N	5,6,7,8,9	BL	PH	DS,LN,GS	H*			H	

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** FAMILY BRASSICACEAE												
<i>Aliaria</i>	<i>petiolata</i>	GARLIC MUSTARD	A	5,6,7	WT	BIH	DS		H*	V		H
<i>Arabidopsis</i>	<i>thaliana</i>	MOUSE-EAR CRESS	A	4,5,6,7	WT	AH	DS, DN					V
<i>Arabis</i>	<i>hirsuta</i>	HAIRY ROCK CRESS	N	5,6,7	WT, YL	BIH	DS, DN					V
<i>Arabis</i>	<i>lyrata</i>	LYRE-LEAF ROCK CRESS	N	5,6,7	WT, YL	BIH	DS, DN		H*			
<i>Barbarea</i>	<i>verna</i>	BLACK MUSTARD	A	4,5,6	YL	AH	DS, DN, GS		H*	V	H	H
<i>Barbarea</i>	<i>vulgaris</i>	EARLY WINTER CRESS, CRESS	A	4,5,6,7	YL	AH	DS, DN		V	H	H	H
<i>Berteroa</i>	<i>incana</i>	HOARY ALYSSUM	A	4,5,6,7	WT, YL	AH	DS, DN		V	H		
<i>Brassica</i>	<i>nigra</i>	BLACK MUSTARD	A	5,6,7,8,9,10	YL	AH	DS, GS		H*			
<i>Brassica</i>	<i>rapa</i>	CHINESE HEMP, INDIAN MUSTARD	A	4,5,6,7,8,9	WT, YL	AH	DS, DN		H*			
<i>Cakile</i>	<i>edentula</i>	SEA ROCKET	N	6,7,8,9	PR, PK	PH	SM, DN		V	H	H	H
<i>Camelina</i>	<i>sativa</i>	DUTCH FLAX	A	4,5,6,7	YL	AH	DS, DN					H
<i>Capsella</i>	<i>bursa-pastoris</i>	SHEPHERD'S PURSE	A	4,5,6,7,8,9	WT	AH	DS, DN		H*	V	H	H
<i>Cardamine</i>	<i>baltica</i>	WATER CRESS, BITTER CRESS	N	4,5,6	WT, YL	PH	WD, FM, DS					
<i>Draba</i>	<i>vernaria</i>	WHITLOW GRASS	A	4,5,6,7,8,9	WT	AH	DS, DN		H*	V	H	H
<i>Lepidium</i>	<i>canescens</i>	FIELD MUSTARD, MUSTARD	A	4,5,6,7,8,9	WT, YL	AH	DS, DN					V
<i>Lepidium</i>	<i>virginicum</i>	POOR MAN'S PEPPER	N	4,5,6,7,8,9	WT, YL	AH	DS, DN		H*		H	H
<i>Lunaria</i>	<i>annua</i>	SATIN FLOWER, HONESTY PLANT	A	5,6,7	WT	AH	DS, LN					
<i>Raphanus</i>	<i>raphanistrum</i>	JOINTED CHARLOCK, WILD RADISH	A	6,7,8	WT, YL	AH	DS, GS		H*		H	
<i>Sisymbrium</i>	<i>altissimum</i>	TUMBLING MUSTARD	A	6,7,8	YL	AH	DS, DN					H
<i>Sisymbrium</i>	<i>officinale</i>	HEDGE-MUSTARD	A	6,7	YL	AH	DS, DN, GS					H
<i>Thlaspi</i>	<i>arvense</i>	PENNY CRESS	A	4,5,6,7	WT	AH	DS					V
** FAMILY CACTACEAE												
<i>Opuntia</i>	<i>humifusa</i>	PRICKLY PEAR CACTUS	N	5,6	YL	PH	DN, SM		H^	V	V	V
** FAMILY CAESALPINIACEAE												
<i>Cassia</i>	<i>chamaecrista</i>	PARTRIDGE PEA, LOCUST WEED	N	7,8,9	YL	AH	DS, DN			V	V	V
<i>Cassia</i>	<i>inictians</i>	WILD SENSITIVE PLANT	N	7,8,9	YL	AH	DN, DS			V	V	H
<i>Gleditsia</i>	<i>triacanthos</i>	HONEY LOCUST					DT					

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** FAMILY CAMpanulaceae		VENUS' LOOKING GLASS	N	5,6	PR	AH	DS, DN, GS	H*	V	V	H	V
Triodanis	perfoliata											
** FAMILY CAPRIFOLIACEAE												
Lonicera	japonica	JAPANESE HONEYSUCKLE	A	5,6,7,8,9	WT, YL	V	ST, WD, DS	V	H	V	H	V
Lonicera	morrowi	FLY HONEYSUCKLE	A	5,6	WT, YL	V	SH, WD	H				
Lonicera	tatarica	TATARIAN HONEYSUCKLE	A	5,6	WT, PK	SB	SH, WD, DS	V				
Sanbucus	canadensis	COMMON ELDER	N	5,6	WT	SB	SH, DS, DN	H*	H	V	H	V
Sanbucus	racemosa	RED ELDERBERRY	A	5,6	WT	SB	SH, DN, DS	V	V	V	V	H
Symporicarpus	albus	SNOWBERRY	N	5,6	WT, PK	SB	SH, LN, DS	V	V	V	V	V
Symporicarpus	orbiculatus	CORAL BERRY, INDIAN CURRENT	A	6,7,8	WT, PK	SB	SH, LN, DS	V	V	V	V	V
Viburnum	acerifolium	MAPLE LEAF VIBURNUM	N	5,6	WT	SB, D	SH, LN, DS	V	V	V	V	V
Viburnum	dentatum var. lucidum	ARROWWOOD	N	5,6,7	WT	SB, D	SH, FM, DS	H^	H	V	H	V
Viburnum	molle	BLACK ALDER	A	5,6	WT	SB, D	SH, LN, DS	V				
Viburnum	opulus	ARROWWOOD	A	6,7	WT	SB, D	SH, FM, DS	V				
Viburnum	prunifolium	BLACK HAW	N	4,5	WT	SB, D	SH, LN, DS	V				
Viburnum	trilobum	CRANBERRY BUSH VIBURNUM	N	6,7	WT	SB	WD, FM, DS	V				
Weigela	japonica	WIEGELA	A									H
** FAMILY Caryophyllaceae												
Arenaria	caroliniana	SANDWORT	N	5,6	PK	PH	DN	V				
Arenaria	serpyllifolia	THyme-LEAF SANDWORT	A	5,6,7,8,9	WT, PK	AH	DS, DN					
Cerastium	arvense	FIELD CHICKWEED	A	4,5,6,7,8,9,10	WT, PK	PH	DS					
Cerastium	fontanum	MOUSE-EARED CHICKWEED	A	4,5,6,7,8,9,10	WT	PH	DS, GS, LN					
Dianthus	armaria	DEFTFORD PINK	A	6,7,8	PK	BIH	GS, DS	H*	V	H	H	V
Honkenya	peploides	SEA BEACH SANDWORT	N	6,7	PK	PH	DN, SM	V				
Lychnis	alba	EVENING LYCHNIS, WHITE CHAMPION	A	5,6,7,8	WT, PK	PH	DS, FM, GS	H*			H	V
Lychnis	coronaria	MULLEIN PINK, ROSE CHAMPION	A	6,7,8,9	PK	PH	LN	V	V	V	V	H
Petrorhagia	prolifera	CHILDING PINK	A	4,5,6,7,8,9	PK	AH	DS, GS, DN					

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Saponaria	officinalis	BOUNCING BET, SOAPWORT	A	5,6,7,8,9	WT,PK	PH	DS	H*	V	H	H	
Scleranthus	annuus	KNAWEL	A	6,7,8	WT	AH	DS	H*	V	H	H	
Silene	antirrhina	CAMPION, SLEEPY CATCHFLY	N	6,7,8,9	PK	AH	DN,DS	V	V	V		
Silene	dichotoma	FORKED CATCHFLY, CAMPION	A	6,7,8,9	PK,WT	AH	DS	H*		H		
Silene	noctiflora	NIGHT FLOWERING CATCHFLY	A	6,7,8,9	PK	AH	DN,DS	H*	V	V		
Silene	vulgaris	BLADDER CAMPION	A	6,7,8	WT,PK	PH	DS	V	H	H		
Spergularia	marina	SALT MARSH SAND SPURRY	N	6,7,8,9	PK,WT	PH	DN,SM,DS	H*	V	H	V	
Stellaria	crassifolia	CHICKWEED	A	6,7,8,9	PK,WT	PH	DS,GS,DS	V	H	V	V	
Stellaria	graminea	CHICKWEED, LESSER STITCHWORT	A	5,6,7,8	PK	PH	DS,DS	V	V	V		
Stellaria	longipes	LONG LEAVED CHICKWEED	N	5,6,7,8	PK	PH	GS,DS,DS	V				
Stellaria	media	CHICKWEED	A	4,5,6,7,8,9,10	PK	AH	DS,GS,DS	H*	V			
** FAMILY CELASTRACEAE												
Celastrus	orbiculatus	ORIENTAL BITTERSWEET	A	5,6,7,8	WT,YL	V,SB	DS,DS,MD,SH	H	V	V	H	
Celastrus	scandens	AMERICAN CLIMBING BITTERSWEET	N	5,6,7,8,9	WT,YL	V,SB	DS,DS,MD,SH	V	V	V		
Euonymus	kiautschovicus	SPREADING EUONYMUS	A			SB	LN				V	
** FAMILY CHENOPODIACEAE												
Atriplex	arenaria (RARE)	SEA BLITE, ATRIPLEX	N		GR	PH	DN,SM	V		V	H	
Atriplex	patula	SPEARSSCALE, ATRIPLEX	N		GR	PH	DN,SM,DS	H*	V	H	H	
Bassia	hirsuta	HAIRY SEASALTE	A		AH	AH	DN,DS	H*			V	
Chenopodium	album	LAMB'S QUARTERS	A	5,6,7,8,9,10	WT,GR	AH	DS,GS,					
Chenopodium	ambrosioides	MEXICAN TEA, WORMSEED	A	6,7	GR,RD	AH	DS,GS,DS					
Chenopodium	desiccatum	NARROW LEAF GOOSEFOOT	A	5,6,7	GR,WT	AH	DN,DS,SM	V				
Chenopodium	glaucum	OAK LEAVE GOOSEFOOT	A	5,6,7	GR,WT	AH	DS,DS					
Chenopodium	Hybridum	MAPLE LEAF GOOSEFOOT	A	5,6,7	GR,WT	AH	DS,DS	V	V	V		
Chenopodium	rubrum (RARE)	RED GOOSEFOOT, COAST BLITE	N	6,7,8	RD	AH	DS,SM			V	H	
Cycloloma	atriplicifolium	WINGED PIGEON	A	6,7,8,9	GR	PH	DN,SM,DS	H*	V	H	H	
Eurotia	lanata	AMERICAN EUROTIA, WHITE SAGE	N									
Kochia	scoparia	KOCHIA, SUMMER CYPRESS	A	7,8	RD	AH	LN,DS				V	

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GENUS	SPECIES	COMMON NAME	ORG	FLOWER/TIME	COLOR	FORM	HABITAT	SH	SI	BP	WR	JB
<i>Cornus</i>	<i>florida</i>	FLOWERING DOGWOOD	N	5,6	WT	SB	WD, LN		H*	V	H	
<i>Cornus</i>	<i>mas</i>	DOGWOOD	N			SB				V		
<i>Cornus</i>	<i>racemosa</i>	GRAY DOGWOOD	N	4,5,6	WT	SB	WD, FM, SH			V		
<i>Cornus</i>	<i>stolonifera</i>	RED OSIER DOGWOOD	N	5,6,7	WT	SB	SH, WD, LN	H				
** FAMILY GRASSULACEAE												
<i>Sedum</i>	<i>sarmentosum</i>	STONE CROP	A	6,7,8	YL	PH	DS, LN	V		V		
** FAMILY CUPRESSACEAE												
<i>Juniperus</i>	<i>conderta</i>	SHORE CEDAR	A	5,6	GR				H*			
<i>Juniperus</i>	<i>horizontalis</i>	CREEPING CEDAR	A	5,6	GR	SB	LN, DS		H*	V	V	
<i>Juniperus</i>	<i>pfitzeri</i>	PFITZER JUNIPER	A	5,6	GR	SB	LN	V	V	V	V	
<i>Juniperus</i>	<i>virginiana</i>	EASTERN RED CEDAR	N	5,6,7	GR, YL	CT	DN, SH, WD	H	V	V	V	
<i>Thuja</i>	<i>occidentalis</i>	WHITE CEDAR, ARBOR VITAE	N	5,6,7	GR, YL	CT	LN	V	V	V	V	
** FAMILY CYATHEACEAE												
<i>Dennstaedtia</i>	<i>punctilobula</i>	HAY-SCENTED FERN	N	6	GR	PH	WD, SH				H	
** FAMILY CYPERACEAE												
<i>Bulbostylis</i>	<i>capillaris</i>	SAND RUSH SEDGE	N	6,7	GR, BL	PH	DN, DS	V		V		
<i>Carex</i>	<i>annectens</i>	SEDGE	N			PH						H
<i>Carex</i>	<i>baileyi</i>	SEDGE	N		GR	PH	DN, SM, FM, DS	H*				
<i>Carex</i>	<i>bebbii</i>	SEDGE	N	6,7	WT, YL	PH	FM, SH				V	
<i>Carex</i>	<i>flavescens</i>	SEDGE						H*			V	
<i>Carex</i>	<i>houghtonii</i> (RARE)	SEDGE	N	5,6,7	GR	PH	DN, DS			V		
<i>Carex</i>	<i>kobomugi</i>	SEDGE	A	5,6,7	GR	PH	DS, DN	V				
<i>Carex</i>	<i>muhlenbergii</i>	SEDGE	N	5,6,7	GR	PH	DN, DS	V		V		
<i>Carex</i>	<i>scoparia</i>	SEDGE								V		H
<i>Carex</i>	<i>silicea</i>	SEDGE	N	5,6,7	GR	PH	DN, DS	V		V		
<i>Carex</i>	<i>straminea</i> (RARE)	SEDGE	N	7,8	GR, YL	PH	DN, SM, DS	V		V	V	

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Cyperus	bipartitus	SEDGE	N	5,6,7	GR, YL	AH	DS, DN, SM	V	V			H
Cyperus	diandrus	SEDGE	N	5,6,7	GR	PH	DS, DN	V	V			H
Cyperus	esculentus	YELLOW NUT GRASS	N	7	YL	PH	FM, DS					H
Cyperus	filiculmis	SEDGE	N	5,6,7	GR, YL	PH	DN, DS	V	H			H
Cyperus	grayii	SEDGE	N	7	YL	PH	FM, DS					H
Cyperus	haughtonii	SEDGE	N	7	YL	PH	DN, DS					H
Cyperus	iria	SEDGE	A	6,7	YL, GR	AH	DS, FM					H
Cyperus	polystachyos (RARE)	SEDGE	N	5,6,7	GR	PH						H*
Cyperus	reticularis (RARE T-3)	SEDGE	N	5,6,7	GR	PH	DN	V				
Cyperus	schweinitzii (RARE)	STRAW COLORED SEDGE	N	5,6,7	GR, YL	PH	DN, SH, WD	V	H			H
Cyperus	strigosus	BLUNT SPIKE RUSH	N	5,6,7	GR, YL	AH	DN, SH, WD	V	H			H
Eleocharis	obtusa	BEAKRUSH	N	5,6,7	YL	PH	DN, SM					H
Rynchospora	capilliflora	BULRUSH, THREE SQUARE	N	5,6,7	GR, YL	PH	DN, DS, SM	V	V			H
Scirpus	americanus	WOOLGRASS, BULRUSH	N	5,6,7	GR, YL	PH	DN, DS, SM	V	V			H
Scirpus	cyperinus	TORREY BULRUSH	N	7	YL	PH	SM, DN, DS					H
Scirpus	torreyi	SOFT STEMMED BULRUSH, GREAT BULRUSH	N	7	YL	PH	SN, DN, DS					H
Scirpus	validus											H
** FAMILY ELAEAGNACEAE												
Elaeagnus	angustifolia	RUSSIAN OLIVE	A	5,6	YL, WH	DT	DS, LN, SH					H
Elaeagnus	commutata	SILVERBERRY	A	5,6	YL, WT	SB	DS, LN	V	V			H
Elaeagnus	umbellata	AUTUMN OLIVE	A	5,6	YL, WT	DT	WD	H*				H
** FAMILY EQUISETACEAE												
Equisetum	arvense	FIELD HORSETAIL	N	4,5,6	YL, GR	PH	SM, DN, DS	H*	V			H
Equisetum	hyemale	SCOURING RUSH	N	5,6,7	YL, GR	PH	DN, DS, SM	V	V			V
** FAMILY ERICACEAE												
Arctostaphylos	uva-ursi	BEARBERRY	WT	PK	SB		DS, LN	V	V			V
Gaylussacia	baccata	HUCKLEBERRY	N	5,6	WT	SB	DS, DN	H*				V

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Kalmia	Latifolia	MOUNTAIN LAUREL	N	6,7	PK,WT	SB	WD,SH	V	V	V	V	
Pieris	japonica	JAPANESE ANDROMEDA	A			SB		H*				
Vaccinium	corybosium	HIGH BUSH BLUEBERRY	N	5,6,7	PR,WT	SB	FM,DS	H*				
** FAMILY EUPHORBIACEAE												
Chamaesyce	maculata	WARTWEED	N	4,5,6	YL	PH	DS,DN	V	V	H	H	
Chamaesyce	polygonifolia	SEASIDE SPURGE	N	4,5,6,7	YL	AH	DN,DS	H*		H	H	
Euphorbia	cyparissias	CYPRESS SPURGE	A	4,5,6,7	YL	PH	DS,DN	H*		H	H	
** FAMILY FABACEAE												
Amorpha	fruticosa	INDIGO-BUSH FALSE INDIGO	A	5,6	BL,WT	SB	FM,WD	V	H			
Apis	americana	WILD BEAR, GROUND NUT	N	7,8	PR	V	WD	V				
Baptisia	tinctoria	WILD INDIGO, RATTLEWEED	N	5,6,7	YL	AH	DN,DS			H		
Coronilla	varia	CROWN VETCH	A	4,5,6,7,8,9,10	YL	AH	DS,DN			V	H	
Cytisus	scoparius	SCOTCH BROOM	A	5,6,7	YL	SB	LN			V	V	
Lathyrus	japonicus	BEACH PEA	N	6,7,8,9	PK,PR	PH	DN,DS	H*		V	V	
Lathyrus	latifolius	EVERLASTING PEA	A	6,7,8,9	PK,PR	PH	DN,DS	H*		V	V	
Lathyrus	syvestris	EVERLASTING PEA	A	6,7,8,9	PR,PK	PH	DN,DS	V		H	H	
Lespedeza	capitata	ROUND HEADED BUSH CLOVER	N	6,7,8,9	PR	AH	WD,GS,DS,DN			V	V	
Lespedeza	cuneata	BUSH CLOVER	A		PR,PR	DS,DN	V			H	H	
Lespedeza	virginica	SLENDER BUSH CLOVER	N	7,8,9	PR	PH	DN			H	H	
Lotus	corniculata	BIRD'S FOOT TREFOIL	A	5,6,7,8,9	YL	PH	DS,DN	H*		V	V	
Medicago	lupulina	BLACK MEDICK	A	5,6,7,8,9	YL	AH	DS,DN			V	V	
Medicago	sativa	ALFALFA	A	6,7,8	BL	PH	DS,DN			H	H	
Melilotus	alba	WHITE SWEET CLOVER	A	4,5,6,7,8,9,10	WT	AH	DS,DN	H*		V	H	
Melilotus	officinalis	YELLOW SWEET CLOVER	A	4,5,6,7,8,9,10	YL	AH	DS,DN	H*		V	H	
Robinia	pseudoacacia	BLACK LOCUST	A	5,6	WT	DT	WD,LN	H*		H	H	
Strophostyles	helvula	WILD BEAN	N	6,7,8	PK,PR	PH	DN,DS	H*		H	H	
Trifolium	arvense	RABBIT'S FOOT CLOVER	A	5,6,7	PK	AH	DS,DN	V		V	H	
Trifolium	areurn	HOP CLOVER	A	5,6,7,8,9,10	YL	BIN	DS,DN	H*		V	V	

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Trifolium	dubium	LEAST HOP CLOVER	A	5,6,7,8	YL	AH	DS	H*		H	H	
Trifolium	hybridum	HOP CLOVER, ALSIKE CLOVER	A	6,7,8,9	PK,WT	PH	DS		V	H		
Trifolium	pratense	RED CLOVER	A	5,6,7,8,9,10	RD	PH	DS	H*	H	V	H	
Trifolium	procumbens	SMALL HOP CLOVER	A	4,5,6,7,8,9,10	YL	AH	DS	V	H	H	H	
Trifolium	repens	WHITE CLOVER	A	4,5,6,7,8,9,10	WT,PK	AH	DS	H*		H	H	
Vicia	americana	PURPLE VETCH	N		PR	PH	WD,DS	H*				
Vicia	cracca	COW VETCH	A	6,7,8,9	BL	V,H	DS,DN		V			
Vicia	tetrasperma	SLENDER VETCH	A	4,5,6,7,8,9	PR,WT	AH	DS	H	V			
Wisteria	macrostachya	WISTERIA	A	4,5	PR,PK	V	DN,LN	H*		H	H	
** FAMILY FAGACEAE												
Quercus	alba	WHITE OAK	N	4,5	GR,YL	DT	WD,LN	V		V		
Quercus	bicolor	SWAMP WHITE OAK	N	4,5	GR,YL	DT	WD,LN,FM	H				
Quercus	palustris	PIN OAK	N	4,5	GR,YL	DT	WD,FM,LN	H		H	V	
Quercus	phellos	WILLOW OAK	N	4,5	GR,YL	DT	WD,FM,LN	V		H	V	
Quercus	rubra	NORTHERN RED OAK	N	4,5	GR,YL	DT	WD,LN,FM	H		V	V	
Quercus	velutina	BLACK OAK	N	4,5	GR,WT	DT	WD,LN,DN	H				
** FAMILY GENTIANACEAE												
Sabatia	stellaris	MARSH PINK	N	7,8	PK,YL	AH	DN,DS,FM	V				
** FAMILY GERANIACEAE												
Erodium	cicutarium	STORKSBILL	A	4,5,6,7,8	PR,PK	AH	DS,DN	H*		H		
Geranium	carolinianum	CAROLINA CRANESBILL	N	4,5,6,7,8	PK,PR	AH	DS,DN	H*	V	H		
Geranium	robertianum	HERB-ROBERT, CRANESBILL	N	4,5,6,7,8,9	PK,PR	AH	DS,DN	H^		H		
** FAMILY HAMAMELIDACEAE												
Liquidambar	styraciflua	SWEET GUM	N	5	WT,YL	DT	WD,LN	H*	H		V	

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** FAMILY IRIDACEAE												
<i>Iris</i>	<i>germanica</i>	FLEUR-DE-LYS, BLUE FLAG	A	5,6,7	BL, YL	PH	FM, DS, LN	V				
<i>Iris</i>	<i>versicolor</i>	WILD BLUE IRIS	N	5,6,7	BL	PH	WD, FM, LN	V				
<i>Sisyrinchium</i>	<i>angustifolium</i>	BLUE-EYED GRASS	N	5,6,7	PR, YL	PH	DS, GL, DN	V				
<i>Sisyrinchium</i>	<i>attanticum</i>	BLUE-EYED GRASS	N	5,6,7,8	BL, PR	PH	DS, SM, DN	V				
** FAMILY JUGLANDACEAE												
<i>Juglans</i>	<i>nigra</i>	BLACK WALNUT	N	4,5	WT	DT	WD, LN	H				
** FAMILY JUNCACEAE												
<i>Juncus</i>	<i>acuminatus</i>	SHARP FRUITED RUSH	N	4,5,6	GR, YL	PH	FM, WD, DS, DN	H				
<i>Juncus</i>	<i>bufonius</i>	TOAD RUSH	N		YL	AH	SM, DS, DN	V				
<i>Juncus</i>	<i>canadensis</i>	CANADIAN RUSH, MARSH RUSH	N	4,5,6	GR, YL	PH	FM, WD, DS, DN	H	V	H	V	
<i>Juncus</i>	<i>gerardii</i>	BLACK ROOT RUSH	N		SM		SM					
<i>Juncus</i>	<i>scirpoides</i>	SCIRPUS LIKE RUSH	N	4,5,6	GR, YL	PH	DN, DS, WD, FM	H				
<i>Juncus</i>	<i>tenuis</i>	PATH RUSH	N	4,5,6	GR, YL	PH	DN, DS	V	V	V	H	
<i>Juncus</i>	<i>torreyi</i>	RUSH	N					V				
** FAMILY LAMIACEAE												
<i>Blephilia</i>	<i>hirsuta</i>	HAIRY WOOD MINT	N	5,6,7,8	PR	PH	WD	V				
<i>Glechoma</i>	<i>hederacea</i>	GROUND IVY, GILL OVER GROUND	A	4,5,6	BL, PR	PH	WD, DS	H				
<i>Lamium</i>	<i>amplexicaule</i>	HENBIT	A	3,4,5,6,7,8,9,10	PR, WT	AH	DS, DN	H*				
<i>Leonurus</i>	<i>cardiaca</i>	MOTHERWORT	A	6,7,8	PK, WT	PH	DS	H*				
<i>Lycopus</i>	<i>americanus</i>	CUT-LEAVED WATER-HOREHOUND	N	4,5,6,7,8,9	WT	PH	DS, DN	H*				
<i>Lycopus</i>	<i>virginicus</i>	BUGLE WEED, WATER-HOREHOUND	N	6,7,8	WT	PH	WD, DS					
<i>Mentha</i>	<i>piperita</i>	PEPPERMINT	A	6,7,8,9	PR, PK	PH	DS					
<i>Mentha</i>	<i>spicata</i>	SPEARMINT	A	6,7,8	PR, PK	PH	DS, FM, GS					
<i>Nepea</i>	<i>cataria</i>	CATNIP	A	6,7,8,9	WT, BL	PH	DS, LN	H				
<i>Prunella</i>	<i>vulgaris</i>	HEAL ALL, SELF HEAL	A	5,6,7,8	PR, WT	PH	DS, DN	H				
<i>Scutellaria</i>	<i>galeruculata</i>	COMMON SKULLCAP	N	6,7,8,9	BL, WT	PH	DN, DS, FM	V				

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<i>Scutellaria</i>	ovata	HEART LEAF SCULLCAP	N	5,6,7	PK, BL		GS, MD	H*				
<i>Stachys</i>	<i>tenuifolia</i>	SMOOTH HEDGE-NETTLE	N	7,8	PR, PK	PH	WD, FM	H				
<i>Teucrium</i>	<i>canadense</i> var. <i>boreale</i>	GERMANDER, WOOD-SAGE	N	6,7,8	PK, WT	PH	DN, SM, DS	V				
<i>Thymus</i>	<i>pulegioides</i>	WILD THYME	A	6,7,8,9	PR	PH	DS, GS, MD					
<i>Trichostema</i>	<i>dichotomum</i>	BLUE CURLS, BASTARD PENNYROYAL	N	5,6,7	BL	AH	DS, MD, GS					
<i>Trichostema</i>	<i>setaceum</i> (RARE T-3)	TINY BLUE CURLS	N		BL	AH						
** FAMILY LAURACEAE												
<i>Sassafras</i>	<i>albidum</i>	SASSAFRAS	N	4,5,6	GR, YL	DT	DN, DS, SM, FM	H				
** FAMILY LEMNACEAE												
<i>Lemna</i>	minor	DUCKWEED	N		GR	PH	FM		V	V	V	
** FAMILY LILIACEAE												
<i>Allium</i>	<i>canadense</i>	WILD ONION, WILD GARLIC	N				PH					H
<i>Allium</i>	<i>stellatum</i>	ONION	N	7,8,9	PR, GR	PH	DS, SH					
<i>Allium</i>	<i>vineale</i>	FIELD GARLIC, WILD ONION	A	4,5,6,7,8,9,10,11	PR, PK	PH	DS	H*	H	V	H	
<i>Asparagus</i>	<i>officinalis</i>	WILD ASPARAGUS	A	4,5,6	GR, YL	PH	DS, DS	H*	H	V	H	
<i>Convallaria</i>	<i>majalis</i>	LILY OF THE VALLEY	A	4,5	WT	PH	DS, LN	V	H			
<i>Hemerocallis</i>	<i>lilio-asphodelis</i>	DAY LILY, YELLOW DAY LILY	A	6,7	OR, YL	PH	LN	H*	H			
<i>Hypoxis</i>	<i>hirsuta</i>	YELLOW STAR GRASS	N	4,5,6	YL	PH	DS, GS, LN					V
<i>Lilium</i>	<i>superbum</i>	TURK'S CAP LILY	N	7,8	OR, YL	PH	WD, FM	H	H			
<i>Narcissus</i>	<i>pseudo-narcissus</i>	DAFFODIL	A	4,5	YL	PH	LN	V	H	V		
<i>Ornithogalum</i>	<i>umbellatum</i>	STAR OF BETHLEHEM	A	5,6	WT	PH	GS, FM, DS	H*	H	H	V	
<i>Polygonatum</i>	<i>biflorum</i>	SOLOMON'S SEAL	N	5,6,7	YL	PH	WD, DS, SH	H*	V			
<i>Polygonatum</i>	<i>pubescens</i>	HARRY SOLOMON'S SEAL	N	5,6,7	YL	PH	WD, DS, SH	V				
<i>Smilacina</i>	<i>racemosa</i>	FALSE SOLOMON'S SEAL	N	6,7	YL	PH	WD, DS, SH	H*				
<i>Smilacina</i>	<i>stellata</i>	STARRY FALSE SOLOMON'S SEAL	N	5,6	YL	PH	DN, MD	H	H			

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** FAMILY LYCOPODIACEAE												
<i>Lycopodium</i>	<i>obscurum</i>	GROUND PINE, LYCOPODIUM	N		GR	PH	WD, FM					V
** FAMILY LYTHRACEAE												
<i>Cuphea</i>	<i>viscosissima</i>	BLUE WAXWEED	N	7,8,9	BL	AH	DN					H
<i>Lythrum</i>	<i>lineare</i>	LOOSESTRIFE	N	7,8,9	PR, WT	PH	SM, DN					V
<i>Lythrum</i>	<i>salicaria</i>	PURPLE LOOSESTRIFE	A	7,8,9	PR	PH	DS, FM					V
<i>Lythrum</i>	<i>virgatum</i>	LOOSESTRIFE	A	7,8	PR, PK	PH	FM, DS					H*
** FAMILY MAGNOLIACEAE												
<i>Liriodendron</i>	<i>tulipifera</i>	TULIP TREE	N	5	YL, GR	DT	WD, LN					V
** FAMILY MALVACEAE												
<i>Abutilon</i>	<i>theophrasti</i>	VELVET LEAF	A	6,7,8,9	YL	AH	DS					H*
<i>Althaea</i>	<i>officinalis</i>	MARSH MALLOW	A	7,8,9	PK, PR	PH	DS, SM					V
<i>Hibiscus</i>	<i>moscheutos</i>	CRIMSON-EYED ROSE MALLOW	N	6,7,8,9	PK, PR	PH	DS, FM					H
<i>Malva</i>	<i>neglecta</i>	COMMON MALLOW	A	5,6,7,8,9	PK, PR	AH	DS, FM					H
** FAMILY MENTSPERMACEAE												
<i>Menispermum</i>	<i>canadense</i>	MOONSEED	N		WT, GR	V	SH					V
** FAMILY MIMOSACEAE												
<i>Albizia</i>	<i> julibrissin</i>	MIMOSA	A	6,7	PK, WT	DT	DS, LN					H*
** FAMILY MOLLUGINACEAE												
<i>Mollugo</i>	<i>verticillata</i>	CARPET WEED	A	4,5,6,7,8,9,10	GR, WT	AH	DS					H
** FAMILY MORACEAE												
<i>Broussonetia</i>	<i>papyrifera</i>	PAPER MULBERRY	A		SB, T	DN, DS, SM, FM						H*
<i>Morus</i>	<i>alba</i>	WHITE MULBERRY	A	4,5	WT	DT	DS, MD					V

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Morus	rubra	RED MULBERRY	N	4,5	WT	DT	DS,WD	H*	V	V	H	
** FAMILY MYRICACEAE												
Comptonia	peregrina	SWEET-FERN	N	5,6	GR	SB	DN,LN	H*		V		
Myrica	cerifera	WAX MYRTLE	N	4	GR	SB,T	DN,SM	H*		V		
Myrica	pensylvanica	BAYBERRY	N	4,5	GR,YL	SB	DN,DS	H*	V	V	H	
** FAMILY NYCTAGINACEAE												
Mirabilis	albidus	PALE UMBRELLA-WORT	N	6,7,8	PK,WT	PH	DN,DS	V		V	H	
Mirabilis	hirsuta	UMBRELLA-WORT	A	7,8	PK,PR	PH	DS,DN	V		V		
Mirabilis	nyctaginea	UMBRELLA-WORT	A	5,6,7,8	PK,PR	PH	DS,DN	H*		V		
** FAMILY NYSSACEAE												
Nyssa	sylvatica	TUPELO, BLACK GUM	N	5,6,7	DT	WD,SH,LN	H					
** FAMILY OLEACEAE												
Forsythia	viridissima	FORSYTHIA, GOLDEN-BELLS	A	4,5	YL	SB	LN	H*	V	V		
Fraxinus	americana	WHITE ASH	N		GR,WT	DT	WD,FM,DS,LN	V		H		
Fraxinus	pennsylvanica	GREEN ASH	N	4,5	GR,WT	DT	WD,FM,DS,LN	H*	H		V	
Ligustrum	vulgare	PRIVET	A	6	WT	SB	LN	H*	V	H	V	
Syringa	vulgaris	LILAC	A	4,5	PR,WT	SB	LN	H*	V	V	V	
** FAMILY ONAGRACEAE												
Epilobium	coloratum	PURPLE-LEAF WILLOW-HERB	N	6,7,8,9	PK,PR	PH	DS,FM	V		H		
Epilobium	hirsutum	HAIRY WILLOW HERB	A	5,6,7,8	PR,RD	PH	FM,DS,DN	V		H	H	
Epilobium	ciliatum	WILLOW HERB	A	6,7,8	PK,PR	PH	DS			V		
Oenothera	biennis	EVENING PRIMROSE	N	6,7,8,9,10	YL	PH	DN,DS	H*	V	V	H	
Oenothera	cruciata	EVENING PRIMROSE	N	5,6,7,8,9,10	YL	BH	DS				H	
Oenothera	laciniata	CUT-LEAVED EVENING PRIMROSE	N	5,6,7,8,9,10	YL	AH	DS,DN	V				
Oenothera	perennis	SUNDROPS	N	7,8,9	YL	PH	SH,GS,DN	V			V	

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GENUS	SPECIES	COMMON NAME	ORG	FLOWERTIME	COLOR	FORM	HABITAT	SH	SI	BP	WR	JB
** FAMILY ORCHIDACEAE												
<i>Spiranthes</i>	<i>cernea</i>	NODDING LADY'S TRESSES	N	8,9,19	WT, YL	PH	DN, FM			H	H	
** FAMILY OROBANCHACEAE												
<i>Conopholis</i>	<i>americana</i>	SQUAW ROOT	N	5,6	GR, WT	PH	DN, DS, FM			V		
<i>Orobanche</i>	<i>uniflora</i>	ONE-FLOWERED CANCER-ROOT	N	6,7,8	YL, WT	PH	DN, DS, FM	H*	H	H	H	
** FAMILY OSMUNDACEAE												
<i>Osmunda</i>	<i>cinnamomea</i>	CINNAMON FERN	N	5,6,7,8	GR, YL	PH	FM, DS			H	V	
	<i>regalis</i>	ROYAL FERN	N	6,7,8,9	GR	PH	DN, DS, SM, FM	V	H	V	H	
** FAMILY OXALIDACEAE												
<i>Oxalis</i>	<i>corniculata</i>	CREEPING WOOD SORREL	A	5,6,7,8,9,10	YL	PH	DS, DN, GS	V	H			
	<i>dilleni</i>	WOOD-SORREL	N	5,6,7,8,9,10	YL	PH	DS, DN	H		H		
	<i>stricta</i>	YELLOW WOOD SORREL	A	5,6,7,8,9,10	YL	PH	DS, DN	H*	V	H	V	
** FAMILY PEDALIACEAE												
<i>Proboscidea</i>	<i>louisianica</i>	UNICORN PLANT	N	7,8,9	YL, WT	AH				V	V	
** FAMILY PHYTOLACCACEAE												
<i>Phytolacca</i>	<i>americana</i>	POKEWEED, POKEBERRY	N	6,7,8,9	WT, PR	PH	DS, DN, WD	H*	V	V	H	
** FAMILY PINACEAE												
<i>Larix</i>	sp.	LARCH, TAMARACK	A	4,5	GR, YL	DT	WD, LN, DN			H		
<i>Picea</i>		BLUE SPRUCE	A	5,6	GR	CT	LN			H*		
<i>Pinus</i>		AUSTRIAN PINE	A	5,6	GR	CT	LN, WD			H*		
		PITCH PINE	N	4,5	GR, YL	DT	DN, LN, WD			H*	V	
		WHITE PINE	N	5,6	GR	CT	DN, WD, LN	V	V	V	V	
		SCOTCH PINE	A	5,6	GR	CT	LN	H*	V	V	V	

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Pinus	thunbergii	JAPANESE BLACK PINE	A	4,5	GR, YL	CT	DN, LN, MD	H*	V	V	V	
Pinus	virginiana	VIRGINIA PINE, JERSEY PINE	N	4,5	GR, YL	CT	DN, LN, MD	H		H	H	
Tsuga	canadensis	HEMLOCK	N	6	GR	CT	LN, MD			V	V	
** FAMILY PLANTAGINACEAE												
Plantago	aristata	LARGE BRACED PLANTAIN	A	6,7,8,9,10,11	WT, GR	AH	DS	V	V	H	H	
Plantago	heterophylla	DAWF PLANTAIN	A	6,7,8	WT	AH	DS, FM, GS			V		
Plantago	lanceolata	RIB PLANTAIN, ENGLISH PLANTAIN	A	5,6,7,8,9,10	WT, GR	PH	DN, DS, GS, LN	H*	V	H	H	
Plantago	major	COMMON PLANTAIN	A	5,6,7,8,9,10,11	WT, GR	PH	DS, DN, LN	V	V	H	H	
Plantago	maritima	SEASIDE PLANTAIN	N	6,7,8,9,10,11	WT, GR	PH	DN, DS, SH	V	H	V	V	
Plantago	psyllium	COMMON PLANTAIN	A	5,6,7,8,9,10	WT, GR	AH	DS, LN, DN			V		
Plantago	rugelii	PAL PLANTAIN	N		DS, LN							
** FAMILY PLATANACEAE												
Platanus	occidentalis	AMERICAN SYCAMORE	N				DT	LN	H*	V	V	
Platanus	occidentalis x orientalis	LONDON PLANE TREE	A				DT	LN	V	V	V	
** FAMILY PLUMBAGINACEAE												
Limonium	carolinianum	SEA LAVENDER	N	7,8,9	PR, PK	PH	DN, SN	H*	V	V	H	
** FAMILY POACEAE												
Agropyron	repens	QUACK GRASS	A	6,7,8,9	YL	PH	GS, LN, DS			V	H	
Agrostis	hiemata	RED TOP	N	5,6,7	GR, YL	PH	DN, DS	H*		H		
Agrostis	perennans	UPLAND BENT GRASS	N	5,6,7	GR, YL	PH	DN, DS	V		V		
Agrostis	stolonifera	CREEPING BENT GRASS	N		PH		GS			H		
Amphiphila	breviflulata	DUNE GRASS, BEACH GRASS	N	8,9,10	WT	PH	DN, DS, GS	H*	V	V	H	
Andropogon	virginicus	BROOM SEDGE, BLUESTEM	N		GR, YL	PH	DN, DS, GS			V	H	
Anthoxanthum	odoratum	SWEET VERNAL GRASS	A	5,6	GR, YL	PH	DN, DS, GS	V		V	H	
Aristida	dichotoma	POVERTY GRASS	N		GR, YL	AH	GS					
Aristida	oligantha	RAIRE THREE AWNED GRASS	N		GR, YL	AH	DS, DN, GS				H	

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		SEASIDE THREE-AWNED GRASS	N	5,6,7	GR, YL	AH	DN,DS			V		
		SOFT CHESS	A	5,6,7	GR, YL	AH	DS, DN, GS	V	V	V	H	
		SMOOTH RYE BROME	A	5,6	GR, YL	AH	DS, DN, GS	V	V	V	H	
		JAPANESE BROME, JAPANESE CHESS	A	5,6,7	GR, YL	AH	DS, DN, GS	V	V	V	H	
		BARREN BROME, STERILE BROME	A	5,6,7	GR, YL	AH	DS, DN, GS	V	V	V	H	
		DOWNY BROME GRASS	A	5,6,7	GR, YL	PH	DS, DN, GS	V	V	V	H	
		REEDGRASS	N		GS						H	
		FEATHERTOP, BUSHGRASS	A		GS						H	
		SANDBUR	N	5,6,7	GR, YL	AH	DN,DS	V	V	V	H	
		DUNE SANDBUR	N	5,6,7	GR, YL	AH	DN,DS	H*	V	V	V	
		WINDMILL GRASS, PRAIRE CHLORIS	A		GR, YL	PH	DN,DS, GS				H	
		SILVER HAIR GRASS	A		GR, YL	PH	DN,DS			V	H	
		COCKSFoot, ORCHARD GRASS	A	5,6	GR, YL	PH	DN,GS,DS	V	V	V	H	
		PANIC GRASS			GS						H	
		FALL WITCHGRASS			GR, YL	PH	DN,DS	V	V	V	V	
		SMOOTH CRABGRASS			GR, PR	PH	DN,DS			V	V	
		SPIKE GRASS, TALL CRABGRASS			YL	PH	DS, LN			V	H	
		SPIKEGRASS, ALKALI GRASS			YL	PH	SM, DN	V		H	H	
		MILLET	A								H	
		GOOSE GRASS, WIREGRASS	A								H	
		WILD RYE	N	5,6,7	GR, YL	PH	DN,DS			V	V	
		VIRGINIA WILD RYE	N	5,6,7	GR, YL	AH	DN, DS, MD	V	V	V	V	
		LOVE GRASS	N	5,6	GR, YL	PH	DN, GS, DS				H	
		LOVE GRASS, STINK GRASS	A	5,6,7	GR, YL	AH	DS, DN	V	V	V	V	
		WEEPING LOVE GRASS	A	5,6,7	GR, YL	PH	DN, GS, DS	V			H	
		LOVE GRASS	A	5,6	GR, YL	AH	DN, GS, DS	V			H	
		LOVEGRASS	N								V	
		INDIA GRASS	A	5,6,7	GR, YL	AH	DS, DN			V	V	
		PURPLE LOVE GRASS, TUMBLEGRASS	N	5,6	GR, YL	PH	DN, GS, DS	V	V	V	H	
		MEADOW FESCUE	A	5,6	GR, YL	PH	DN, GS, DS	V	V	V	H	

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<i>Festuca</i>	<i>ovina</i>	SHEEP FESCUE	A	5,6	GR, YL	PH	DN, GS, DS					H
<i>Festuca</i>	<i>rubra</i>	RED FESCUE	A	5,6	GR, YL	PH	DN, GS, DS	V				H
<i>Holcus</i>	<i>lanatus</i>	VELVET GRASS	A		YL	PH	GS, DS, LN					H
<i>Hordeum</i>	<i>jubatum</i>	SQUIRREL TAIL GRASS, BARLEY	N	5,6	GR, YL	PH	DN, GS, DS	V				H
<i>Lolium</i>	<i>perenne</i>	ENGLISH RYE GRASS, PERENNIAL RYE	A	5,6,7	GR, YL	PH	DS, DN					H
<i>Panicum</i>	<i>accuminatum</i>	PANIC GRASS	N	5,6	GR, YL	PH	DN, GS, DS					H
<i>Panicum</i>	<i>amarum</i>	PANIC GRASS	N	5,6,7	GR, YL	PH	DS, DN	V				V
<i>Panicum</i>	<i>capillare</i>	WITCHGRASS	N									H
<i>Panicum</i>	<i>clandestinum</i>	DEER-TONGUE GRASS	N	5,6	GR, YL	PH	GS, DN, MD	V				H
<i>Panicum</i>	<i>dichotomiflorum</i>	SMOOTH PANIC GRASS	N	5,6,7	GR, YL	AH	DS, DN	V				H
<i>Panicum</i>	<i>ovale</i>	PANIC GRASS	N	5,6,7	GR, YL	PH	DN, GS, DS	V				H
<i>Panicum</i>	<i>rigidulum</i>	PANIC GRASS	N		GR	PH	GS, MD, DN	H*				V
<i>Panicum</i>	<i>scoparium</i> (RARE 1-3)	VELVET PANIC GRASS	N									H
<i>Panicum</i>	<i>virgatum</i>	SWITCH GRASS	N	7,8	YL	PH	DN, DS, FM					V
<i>Phleum</i>	<i>pratense</i>	TIMOTHY GRASS	A	5,6,7	GR, YL	PH	DS, DN					H
<i>Phragmites</i>	<i>australis</i>	COMMON REED, PHRAGMITES	A	5,6,7,8,9	GR, YL	PH	DS, DN	V				V
<i>Poa</i>	<i>annua</i>	ANNUAL BLUEGRASS	A	4,5,6,7,8,9	GR, YL	AH	DS, DN	V				H
<i>Poa</i>	<i>compressa</i>	CANADA BLUEGRASS, WIREGRASS	A	4,5,6,7	GR, YL	PH	DS, DN, GS	V				H
<i>Poa</i>	<i>pratinis</i>	KENTUCKY BLUEGRASS, JUNE GRASS	A	5,6,7,8	GR, YL	PH	DS, DN, GS	V				H
<i>Poa</i>	<i>sylvestris</i> (RARE)	WOODLAND BLUEGRASS	N	5,6,7,8	GR, YL	PH	DS, MD, GS					H
<i>Schizachyrium</i>	<i>scoparium</i> var. <i>littorale</i>	LITTLE BLUESTEM	N		GR, YL	AH	DS, DN	V				H
<i>Secale</i>	<i>cereale</i>	RYE GRASS	A	5,6,7	GR, YL	PH	DS, DN, GS	V				V
<i>Setaria</i>	<i>geniculata</i>	FOXTAIL GRASS, KNOTROOT	N	5,6,7	GR, YL	AH	DS, DN	V				H
<i>Setaria</i>	<i>glauca</i>	FOXTAIL GRASS	A	5,6,7	GR, YL	AH	DS, DN	V				H
<i>Setaria</i>	<i>viridis</i>	GREEN FOXTAIL	A	5,6,7	GR, YL	AH	DS, DN, GS	V				H
<i>Sorghastrum</i>	<i>nutans</i>	INDIAN GRASS	N									H
<i>Spartina</i>	<i>alterniflora</i>	SALT MARSH GRASS, CORD GRASS	N	6,7,8	GR, YL	PH	DN, SM	H*	V	V		H
<i>Spartina</i>	<i>patens</i>	SALT MARSH GRASS, HIGHWATER GRASS	N	6,7,8	GR, YL	PH	DN, SM	H*	V	V		H
<i>Spartina</i>	<i>pectinata</i>	SLOUGH GRASS	N	5,6,7	GR, YL	PH	SM, DN	V				H
<i>Tridens</i>	<i>flavus</i>	TALL REDTOP GRASS	N	5,6,7	GR, YL	PH	DS					V

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Tripasias	purpurea	PURPLE SANDGRASS	N	5,6,7	GR, YL	AH	DN, DS			V		
Vulpia	octoflora	SIX-WEEK'S-FESCUE	N	5,6,7	GR, YL	AH	DS, DN			V	H	
** FAMILY POLYGONACEAE												
Fagopyrum	esculentum	BUCKWHEAT	A	6,7,8,9	WT	AH	GS			V		
Polygonella	articulata	JOINTWEED	N	7,8	WT, RD	AH	DN, SM	H*	V	V	H	H
Polygonum	aubertii	SILVER LACE-VINE	A	7,8,9	WT	AH	LN			H	H	
Polygonum	aviculare	KNOTWEED	A	5,6,7	WT, PK	AH	DS			V	V	
Polygonum	cespitosum	SMARTWEED	A	6,7,8	WT, GR	AH	DS			V		
Polygonum	convolvulus	BLACK BINDWEED	A	6,7,8,9	WT, GR	V, AH	DS			V		
Polygonum	cuspidatum	JAPANESE KNOTWEED	A	7,8,9	WT, GR	PH	DS, DN	H*	H	H		
Polygonum	hydropiper	WATER-PEPPER	A		WT, GR	AH	DS, DN			H		
Polygonum	hydropiperoides	MILD WATER-PEPPER	N		WT, GR	PH	DS, DN, SM, FM			H		
Polygonum	lappatifolium	WILLOWWEED	N		WT, GR	AH	DS, DN, FM, SM			H		
Polygonum	pensylvanicum	PINKWEED	N	6,7,8,9	WT, RD	AH	DS, GS			V	H	
Polygonum	persicaria	LADY'S THUMB	A		PK, RD	AH	DS			H		
Polygonum	punctatum	DOTTED SMARTWEED	N	5,6,7,8,9	WT	AH	FM, DS	H*	V			
Polygonum	ramosissimum	SALT MARSH KNOTWEED	N	5,6,7,8,9	WT	AH	SM, DN			V		
Polygonum	var. prolificum	TEAR THUMB	N	8,9,10	PK, WT	AH	FM, DS			H		
Polygonum	sagittatum	CLIMBING FALSE BUCKWHEAT	N	7,8,9	WT	V, AH	DS, FM, MD			H	H	
Polygonum	scandens	SHEEP SORREL	A	5,6,7,8,9	GR	PH	DS, GS, LN	H*	V	H	H	
Rumex	acetosella	CURLY DOCK	A	6,7,8,9	GR	AH	DS, GS, DN	H*	V	H	H	
Rumex	crispus	WILD SORREL	N	6,7,8,9	GR	PH	DS, DN, GS	H		H	H	
** FAMILY PORTULACEAE												
Portulaca	grandiflora	MOSS-ROSE	A	6,7,8,9,10	RD, YL	PH	GS, DS, LN	H*	V			
Portulaca	oleracea	PURSELANE	A	4,5,6,7,8,9,10	YL	PH	DS, GS	V			H	
** FAMILY PRIMULACEAE												
Lysimachia	quadrifolia	WHORLED LOOSESTRIFE	N	6,7,8	YL, WT	PH	FM,	H*				

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** FAMILY PYROLACEAE												
<i>Chimaphila</i>	<i>maculata</i>	SPOTTED WINTERGREEN	N	6,7,8	WT,PK	PH	WD,SH	V	V	V	H	
** FAMILY RANUNCULACEAE												
<i>Clematis</i>	<i>terniflora</i>	FALL FLOWERING CLEMATIS	A	8,9,10	WT	PH	LN	V				
<i>Ranunculus</i>	<i>abortivus</i>	SMALL FLOWERED CROWFOOT	N	4,5,6	YL,GR	AH	GS,MD,DS	V				
<i>Ranunculus</i>	<i>acris</i>	TALL BUTTERCUP	A	4,5,6	YL	PH	DS,GS	H				
<i>Ranunculus</i>	<i>bulbosus</i>	BUTTERCUP	A	4,5,6	YL	PH	WD,GS,SH,LN	H*				
** FAMILY RHAMNACEAE												
<i>Rhamnus</i>	<i>frangula</i>	SMOOTH BUCKTHORN	A	5,6	WT	SB	SH,LN	H	V	H	V	
** FAMILY ROSACEAE												
<i>Amelanchier</i>	<i>arborea</i>	SERVICEBERRY	N	4,5	WT	SB	SH,WD	H*	H			H
<i>Amelanchier</i>	<i>arborea</i> var. <i>laevis</i>	SERVICEBERRY	N		WT	SB	WD,SH,GS	V	V	H	H	
<i>Amelanchier</i>	<i>canadensis</i>	SERVICEBERRY, SHADBUSH	N	5,6	WT	SB	SH,WD,FM	V	V	H	H	
<i>Aronia</i>	<i>arbutifolia</i>	RED CHokeBERRY	N	5	WT	SB	DS,SH,WD	V				V
<i>Aronia</i>	<i>melanocarpa</i>	BLACK CHokeBERRY	N	5,6	WT	SB	SH,WD,DN	V				
<i>Aronia</i>	<i>prunifolia</i>	PURPLE CHokeBERRY	N	5,6	WT	SB	WD,SH,LN					
<i>Crataegus</i>	<i>coccinea</i>	HAWTHORNE	N	6	WT,PK	SB,T	WH,SH,LN					
<i>Crataegus</i>	<i>phaenopyrum</i>	HAWTHORNE	N	6	WT,PK	SB,T	SH,WD,LN					
<i>Crataegus</i>	<i>succulenta</i>	HAWTHORNE	N	4,5	WT	SB,T	SH,WD,LN					
<i>Fragaria</i>	<i>virginiana</i>	STRAWBERRY	N	4,5,6	WT	PH	GS,LN,SH	V	V			
<i>Malus</i>	<i>coronaria</i>	NARROW LEAF CRAB APPLE	N	4,5	WT	SB,T	SH,WD,LN			H		
<i>Malus</i>	<i>floribunda</i>	JAPANESE CRAB APPLE	A				H*			V		
<i>Malus</i>	<i>platycarpa</i>	APPLE								H		
<i>Malus</i>	<i>pumila</i>	COMMON APPLE	A	5,6	WT,PK	DT	DS,MD	H*	H	V	V	
<i>Malus</i>	sp.	CRAB APPLE	N	4,5	WT	SB,T	DS,MD,LN			H		
<i>Potentilla</i>	<i>anserina</i>	SILVERWEED	N	5,6,7,8,9,10	YL	PH	GS,DS	H				

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Potentilla	argentea	SILVERY CINQUEFOIL	A	5,6,7,8,9	YL	PH	DS,GS,DN	H*		H	H	H
Potentilla	canadensis	DAWRF CINQUEFOIL, FIVE FINGERS	N	4,5,6,7	YL	PH	DS,SH,DN	V	H	H	H	H
Potentilla	norvegica	ROUGH CINQUEFOIL, THREE-LEAF	N	5,6,7,8	YL	AH	GS,DS,LN	V		H	H	H
Potentilla	recta	ROUGH FRIUTED CINQUEFOIL	A	5,6,7,8,9	YL	PH	DS,GS,DN	H*	V	H	H	H
Potentilla	simplex	OLD-FIELD CINQUEFOIL	N	4,5,6,7	YL	PH	DS,GD,DN	H				
Prunus	cerasus	SOUR CHERRY	A	5,6	SB,T	DS,DN	H*	V				
Prunus	maritima	BEACH PLUM	N	4,5	WT	SB	DN,SH	H^	H	H	V	V
Prunus	pensylvanica	FIRE CHERRY, PIN CHERRY	N	4,5	WT	S	WD	H*				
Prunus	persica	PEACH	A	5,6	PK,WT	DT	LN	H*	V			
Prunus	serotina	BLACK CHERRY	N	4,5	WT	DT	WD,DS,SH	H*	H	V	H	H
Prunus	virginiana	CHOKE-CHERRY	N	5,6	WT,PK	SB,T	DN,DS,SH	V		H	V	V
Pyracantha	coccinea var. latiflora	LALAND FIRETHORN	A	5,6,7,8,9,10	WT,PK	SB	DS,LN,DN	V	V	H	H	H
Pyrus	communis	PEAR	A				H*					
Rosa	canina	DOG ROSE	A									H
Rosa	carolina	CAROLINA ROSE, PASTURE ROSE	N	6,7,8,9	PK,WT	SB	WD,DS					
Rosa	multiflora	MULTIFLORA ROSE	A	4,5,6,7	GR	PH	FM,MD,DS	V	H	H	H	H
Rosa	palustris	SWAMP ROSE	N	5,6,7,8,9	WT,PK	SB	DS,DS	H				
Rosa	rugosa	SALT SPRAY ROSE	A	5,6,7,8,9	WT,PK	SB	DS,DS,LN	H*	V	V	H	H
Rosa	virginiana	PASTURE ROSE, WILD ROSE	N	6,7,8,9	PK,WT	SB	DN,DS,MD					
Rubus	allegheniensis	NORTHERN BLACKBERRY	N	4,5,	WT	SB	DS,SH,GS	V	H	V	V	V
Rubus	flagellaris	NORTHERN DEWBERRY	N	5,6	WT	SB	DS,SH,GS	H*	V			
Rubus	occidentalis	BLACK RASPBERRY	N	5,6	WT	V,SB	DS,MD,SH	H				
Rubus	pensylvanicus	HIGH-BUSH BLACKBERRY	N	6,7	WT	V,SB	DS,GS,DN			H	H	H
Rubus	acuparia	MOUNTAIN ASH	A	5,6	WT	SB	DS,DN,MD			V		
Sorbus	tomentosa	STEEPLE-BUSH	N	6,7,8	PK	PH	DS,FM			H		
Spiraea	varhouttei	SPIRAEA	A		WT	PH	H*					
** FAMILY RUBIACEAE												
Cephaelanthus	occidentalis	BUTTONBUSH	N	6,7,8	WT	SB	FM					
Diodia	teres	BUTTONWEED	N	7,8,9	WT,PR	AH	DN,SM	V				

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GENUS	SPECIES	COMMON NAME	ORG	FLOWER TIME	COLOR	FORM	HABITAT	SH	SI	BP	WR	JB
<i>Galium</i>	<i>aparine</i>	GOOSE GRASS, BEDSTRAW	N	6,7,8	WT, GR	AH	DS, GS	H*	H			
<i>Galium</i>	<i>pilosum</i>	BEDSTRAW, CLEAVERS	N	6,7,8,9,10	WT	PH	DS, MD, GS	H*				
<i>Galium</i>	<i>tinctorium</i>	STIFF BEDSTRAW, WILD MADDER	N	4,5,6,7,8	WT, GR	PH	FM, MD, DS	H	H			
<i>Mitchella</i>	<i>repens</i>	PARTRIDGE-BERRY	N	5,6	WT	PH	MD	H*				
<i>Sherardia</i>	<i>arvensis</i>	WILD MADDER	A	7	PK, BL	AH	DS, LN	H				
** FAMILY RUPPIACEAE												
<i>Ruppia</i>	<i>maritima</i>	DITCH GRASS, WIDGEON GRASS	A		GN, WT	PH	FM	V	V	V	V	V
** FAMILY SALICACEAE												
<i>Populus</i>	<i>alba</i>	WHITE POPLAR	A	4,5	GR, YL	DT	WD, FM, LN	H*	V	H	H	
<i>Populus</i>	<i>balsamifera</i>	BALSAM POPLAR	N	5	WT, GR	DT	WD, DS, SM, FM	V				
<i>Populus</i>	<i>balsamifera</i> x <i>deltoides</i>	BALM OF GILEAD	A	6	DT, GR	DT	WD, DS, FM	H*	V			
<i>Populus</i>	<i>deltoides</i>	COTTONWOOD	N	5	WT, GR	DT	DS, DN, WD, LN	H*	H	V		
<i>Populus</i>	<i>grandidentata</i>	BIG TOOTHED ASPEN	N	4,5	GR, YL	DT	WD, FM, DS	V	H	H	H	
<i>Populus</i>	<i>tremuloides</i>	QUAKING ASPEN	N	4,5	GR, YL	DT	WD, FM, DS	V	V	V	H	
<i>Salix</i>	<i>alba</i>	WHITE WILLOW	A	6	WT, GR	DT	WD, DS, FM	V				
<i>Salix</i>	<i>babylonica</i>	WEEPING WILLOW	A	4,5	GR, YL	DT	WD, FM, LN	H	H	H	H	
<i>Salix</i>	<i>discolor</i>	Pussy WILLOW	N	4,5	GR, YL	SB	FM, DS, LN	V	H	H	V	
<i>Salix</i>	<i>exigua</i>	SANDBAR WILLOW, RIVER WILLOW	N	4,5,6,7	GR, YL	SB	FM, WD, SM	V	H	H	H	
<i>Salix</i>	<i>fragilis</i>	CRACK WILLOW, BRITTLE WILLOW	A	6	WT, GR	DT	WD, FM, DS	V	V	V	V	
<i>Salix</i>	<i>lutea</i>	YELLOW WILLOW	N		GR			H	V			
<i>Salix</i>	<i>nigra</i>	BLACK WILLOW, WATER WILLOW	N	6	WT, GR	SB, T	FM, WD	V	V	V	V	
<i>Salix</i>	<i>pentandra</i>	BAY-LEAF WILLOW	A	6	WT, GR	DT	LN		H			
<i>Salix</i>	<i>tristis</i>	UPLAND WILLOW	N	6	WT, GR	SB, T	WD, SH, FM	V	H			
<i>Salix</i>	<i>viminalis</i>	SILKY OSIER	A	6	WT, GR	SB, T	SB, T	V	V			
** FAMILY SANTALACEAE												
<i>Comandra</i>	<i>umbellata</i>	BASTARD TOADFLAX	N	5,6,7	PH	DN, SM, WD	H*	V	V	V	V	V

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** FAMILY SAXIFRAGACEAE												
Phytolaphus	inordorus	MOCK ORANGE	N	5,6	WT	SB	FM, WD, LN					H*
** FAMILY SCROPHULARIACEAE												
Agalinus	purpurea	PURPLE GERARDIA, FALSE FOXGLOVE	N	6,7	PR,PK	PH	DS,FM	V	V	H	H	
Antirrhinum	orontium	LESSER SNAPDRAGON	A		BL,PK	PH	DS,DN,GS	H*	V	H	H	
Linaria	canadensis	BLUE TOADFLAX	N	4,5,6	YL,WT	PH	DS,DN,GS	H*	V	H	H	
Linaria	vulgaris	BUTTER & EGGS	A	5,6,7,8,9	YL,WT	PH	DS,DN,GS	H*	V	H	H	
Verbascum	blatteria	MOTH-MULLEIN	A	6,7,8,9,10	YL,WT	PH	DS,DN,GS	H*	V	H	H	
Verbascum	thapsus	COMMON MULLEIN	A	5,6,7,8,9,10	YL,WT	PH	DS,DN,GS	H*	V	H	H	
Veronica	arvensis	CORN SPEEDWELL, SPEEDWELL	A	4,5,6,7,8,9	PR,BL	AH	DS,GS,LN	V	H	V	V	
Veronica	chamaedrys	BIRD'S-EYE SPEEDWELL	A	5,6,7	PR,BL	PH	DS,LN,GS	H*	V	V	V	
Veronica	officinalis	COMMON SPEEDWELL	A	4,5,6,7	BL,WT	PH	DS,DN,GS	V	V	V	H	
Veronica	serpyllifolia	THYME-LEAF SPEEDWELL	A	4,5,6,7	BL,WT	PH	DS,DN			H	H	
** FAMILY SIMAROUBAEAE												
Ailanthus	altissima	TREE-OF-HEAVEN	A	4,5,	GR,YL	DT	DS, WD			V	V	H
** FAMILY SMILACACEAE												
Smilax	glauca	SAUBRIER	N	5,6,7	YL	V	WD,SH			V	V	V
Smilax	rotundifolia	COMMON GREENBRIER	N	4,5	GR	V,PH	WD			H	V	V
** FAMILY SOLANACEAE												
Datura	stramonium	JIMSONWEED	N	5,6,7,8,9	WT,PR	AH	DS,GS,DN	H*	V	V	V	
Lycium	barbarum	MATRIMONY-VINE	A	5,6,7,8,9	PR	SB	LN			V	V	
Physalis	heterophylla	GROUND CHERRY	N	6,7,8,9	WT,GR	PH	DN,DS			H	H	
Solanum	carolinense	HORSE NETTLE	N	5,6,7,8,9,10	YL	PH	DS,GS,DN	H*	H	V	H	
Solanum	cornutum	BUFFALO BUR	A	5,6,7,8,9	YL	AH	DS,DN			H	H	
Solanum	dulcamara	BITTERSWEET NIGHTSHADE	A	5,6,7,8,9,10	BL,PR	V,HB	DS,DN	H*	V	H	H	
Solanum	nigrum	BLACK NIGHTSHADE	A	5,6,7,8,9,10	WT,BL	AH	DS,GS,DN			V	H	

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** FAMILY TAXACEAE												
<i>Taxus</i>	<i>canadensis</i>	AMERICAN YEW, GROUND HEMLOCK	N	5	GR	SB	WD, LN LN	H*	V	V	V	V
<i>Taxus</i>	<i>cuspidata</i>	YEW	A					V	V	V	V	V
** FAMILY TILIACEAE												
<i>Tilia</i>	<i>americana</i>	BASSWOOD, LINDEN	N	6	WT, GR	DT	WD, LN	H				
** FAMILY TYPHACEAE												
<i>Typha</i>	<i>angustifolia</i>	NARROW-LEAF CATTAIL	N	6,7	GR	PH	FM, DS FM, DS	H*	V	V	H	H
<i>Typha</i>	<i>Latifolia</i>	COMMON CATTAIL	N	6,7	GR	PH	PH	V	V	V	V	V
** FAMILY ULMACEAE												
<i>Celtis</i>	<i>occidentalis</i>	HACKBERRY	N	5,6	GR	DT	WD, LN	H*	H	H	V	V
<i>Ulmus</i>	<i>americana</i>	AMERICAN ELM	N	4,5	GR	DT	WD, LN	V	H	V	H	H
<i>Ulmus</i>	<i>pumila</i>	SIBERIAN ELM	A			DT	WD	H*				
** FAMILY URTICACEAE												
<i>Boehmeria</i>	<i>cylindrica</i>	FALSE NETTLE	N	7,8	WT	PH	FM, DS	H				
<i>Pilea</i>	<i>pumila</i>	CLEARNEED	N	6,7,8	GR	AH	DS					H
** FAMILY VERBENACEAE												
<i>Caryopteris</i>	<i>clandonensis</i>	BLUE MIST	A	6,7,8,9	PK, BL	PH	LN		V		V	V
<i>Verbena</i>	<i>hastata</i>	BLUE VERVAIN	N	5,6,7,8,9	BL, PR	PH	FM, DS	H*	V	V	H	V
<i>Verbena</i>	<i>urticifolia</i>	WHITE VERVAIN	N	8	WT	FM			V	V	V	V
** FAMILY VIOLACEAE												
<i>Viola</i>	<i>odorata</i>	SWEET VIOLET	A	4,5,	PR, WT	PH	DS, WD	H				
<i>Viola</i>	<i>sororia</i>	WOOLY BLUE VIOLETT	N	4,5	WT, PR	PH	WD, FM, DS	H				H

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** FAMILY VITACEAE												
<i>Ampelopsis</i>	sp.	PORCELAIN-BERRY	A				V	WD	V	V	V	V
<i>Parthenocissus</i>	quinquefolia	VIRGINIA CREEPER	N	6	GR		V	WD, FM, SH	V	V	V	V
<i>Vitis</i>	aestivalis	SUMMER GRAPE	N	6	WT		V	WD, SH, DN	V	V	V	V
<i>Vitis</i>	labrusca	FOX GRAPE	N	6	WT		V	WD, DS, SH, GS	V	V	H	H
<i>Vitis</i>	riparia	RIVERSIDE GRAPE, FROST GRAPE	N	6,7	WT		V	WD	V	H	H	H
<i>Vitis</i>	sp	WILD GRAPE		4,5,6,7	GR	PH	V	FM, WD, DS	V	V	H	H
** FAMILY ZOSTERACEAE												
<i>Zostera</i>	marina	EEL GRASS	N		GR	PH	V	PH	V	V	V	V

